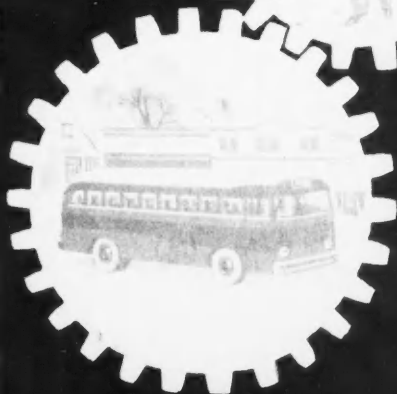
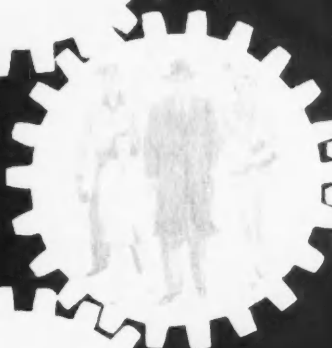


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# AUTOMOBILE FACTS and FIGURES

*29<sup>th</sup> Edition*  
*1949*



**AUTOMOBILE  
MANUFACTURERS  
ASSOCIATION**



**T**HE 29th edition of Automobile Facts and Figures presents some striking facts on developments in the automotive industry during the year 1948. Among these are:

Despite the fact that the United States produced 85 percent of all passenger cars assembled in the world in 1948 and sold all except 6 percent of them in the home market, American imports of foreign-made cars surpassed all countries of the world, except Australia and Union of South Africa.

More passenger cars were exported by Great Britain during 1948 than were exported by the United States. With the possible exception of the very early years of the industry, this is the first time any country has succeeded in selling more cars abroad than the United States.

Of the 1871 U. S. firms manufacturing motor vehicles, parts and accessories, 30 percent have less than 8 employes and 75 percent have less than 100 employes. 93 percent of all concerns engaged in motor vehicle manufacture, distribution, repair and operation for-hire have less than 20 employes, according to employers' tax reports under the old age and survivors insurance program.

California's gain of 580,000 passenger cars over the total registered in 1941 is more than the total cars registered in the six smallest states—New Mexico, New Hampshire, Vermont, Wyoming, Delaware and Nevada.

6,230 cities and towns above 1000 population are entirely dependent on buses and automobiles for passenger transportation.

Highway users paid \$3,442,000,000 in special Federal, state and city taxes in 1948.

One out of every seven pay checks issued in the United States during 1948 went to the 9 million persons employed directly or indirectly in the manufacture, distribution and operation of motor vehicles.

12,440,000 passenger cars were ten years old or older in 1948—a potential market for new cars.

## **AUTOMOBILE MANUFACTURERS ASSOCIATION**

**New Center Building, Detroit 2, Michigan**

•

**WASHINGTON, 6—Transportation Building  
NEW YORK, 17—366 Madison Avenue**

**AUTOMOTIVE HISTORY  
COLLECTION**

# Automobile Manufacturers Association, Inc.

New Center Building, Detroit 2

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Vice-President.....	H. S. Vance.....	The Studebaker Corporation
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Vice-President.....	E. J. Bush.....	Diamond T Motor Car Company
Commercial Car Division		
Advisory Vice-President.....	Alfred Reeves.....	New York, N. Y.
Secretary.....	M. E. Coyle.....	General Motors Corporation
Treasurer.....	George T. Christopher.....	Packard Motor Car Company

## BOARD OF DIRECTORS

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Robert F. Black.....	The White Motor Company
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## HONORARY DIRECTOR

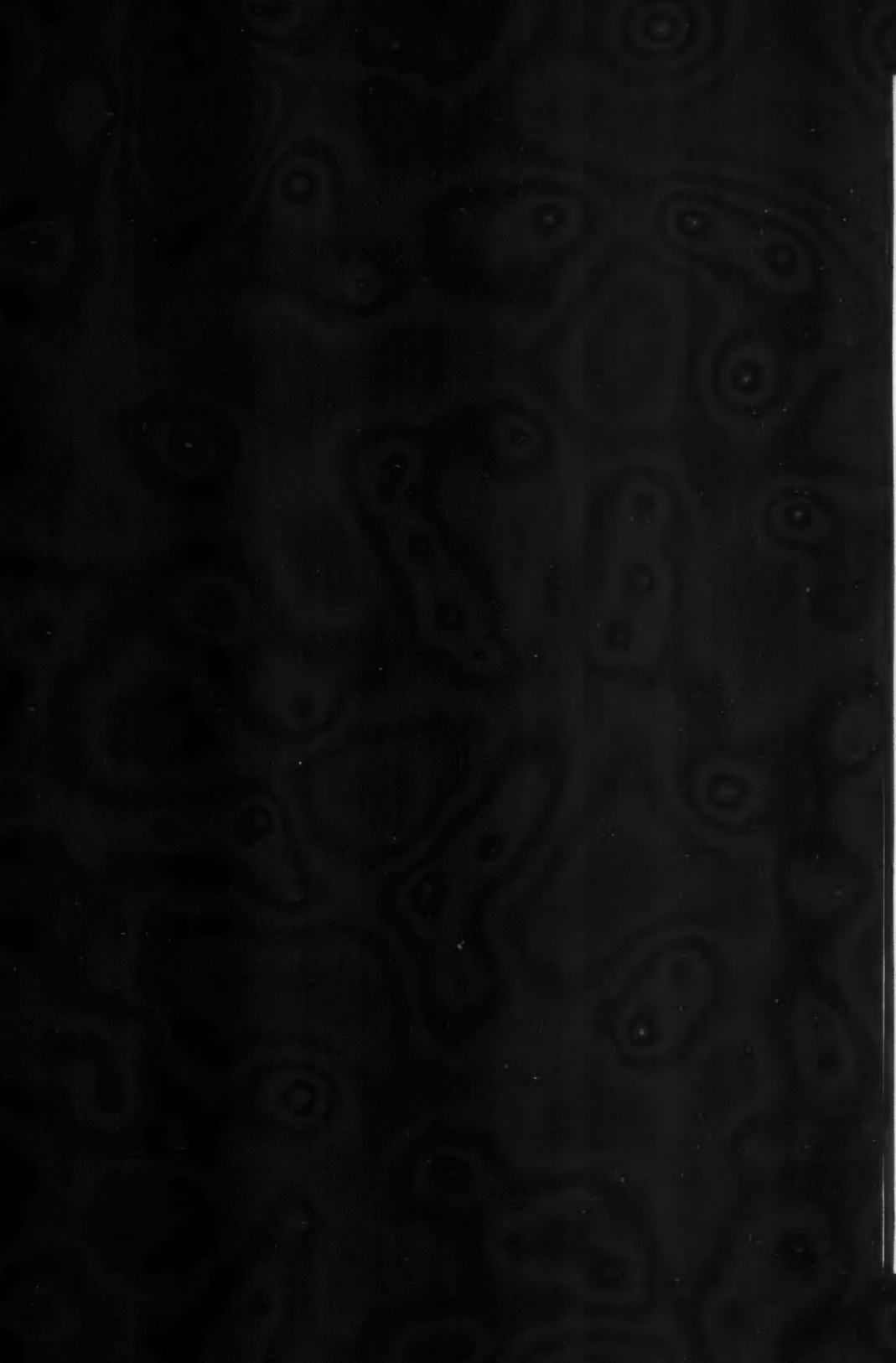
Alvan Macauley.....	Packard Motor Car Company
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Managing Director.....	William J. Cronin
Manager, Statistical Department.....	Oscar P. Pearson

(List of Members is given on pages 73 and 74)

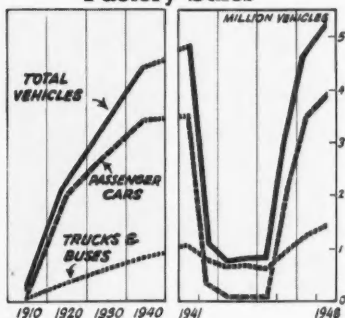




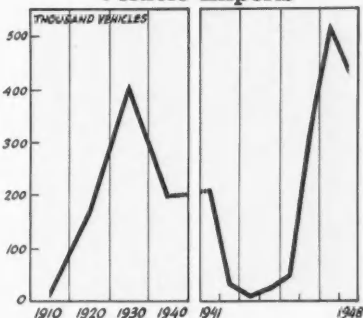


# Auto Trends Higher

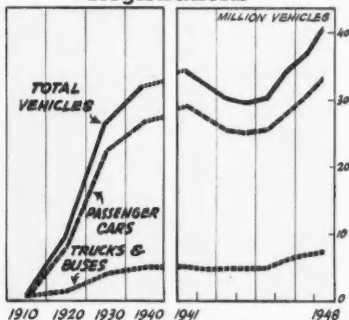
## Factory Sales



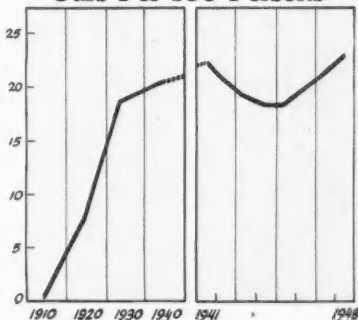
## Vehicle Exports



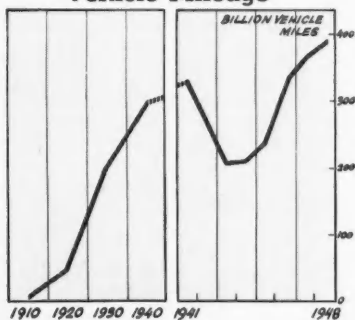
## Registrations



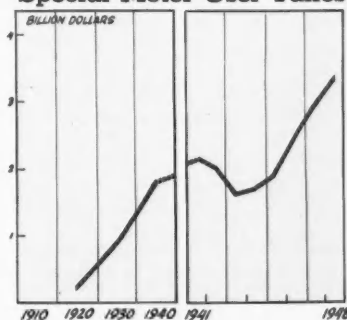
## Cars Per 100 Persons



## Vehicle Mileage



## Special Motor User Taxes



# 102 Million Motor Vehicles Produced in 49 Years

## Factory Sales and Wholesale Value, U. S. Plants

	PASSENGER CARS		MOTOR TRUCKS AND BUSES		TOTAL	
	Number	Value	Number†	Value†	Number	Value
1900....	4,192	\$ 4,899,443			4,192	\$ 4,899,443
1901....	7,000	8,183,000			7,000	8,183,000
1902....	9,000	10,395,000			9,000	10,395,000
1903....	11,235	13,000,000			11,235	13,000,000
1904....	22,130	23,387,692	700	\$ 1,272,747	22,830	24,630,439
1905....	24,250	38,670,000	750	1,330,000	25,000	40,000,000
1906....	33,200	61,460,000	800	1,440,000	34,000	62,900,000
1907....	43,000	91,620,000	1,000	1,780,000	44,000	93,400,000
1908....	63,500	135,250,000	1,500	2,550,000	65,000	137,800,000
1909....	123,990	159,765,721	3,297	5,333,683	127,287	165,099,404
1910....	181,000	215,340,000	6,000	9,660,000	187,000	225,000,000
1911....	199,319	225,000,000	10,681	21,000,000	210,000	246,000,000
1912....	356,000	335,000,000	22,000	43,000,000	378,000	378,000,000
1913....	461,800	399,902,000	23,500	44,000,000	485,000	443,902,000
1914....	548,139	420,838,378	24,900	44,219,096	573,039	465,057,474
1915....	895,930	575,978,000	74,000	125,800,000	969,930	701,778,000
1916....	1,525,578	921,378,000	92,130	161,000,000	1,617,708	1,082,378,000
1917....	1,745,792	1,053,505,781	128,157	220,982,668	1,873,949	1,274,488,449
1918....	943,436	801,937,925	227,250	434,168,992	1,170,686	1,236,106,917
1919....	1,651,625	1,365,395,415	224,731	371,422,820	1,876,356	1,736,818,235
1920....	1,905,560	1,809,170,963	321,789	423,249,410	2,227,349	2,232,420,373
1921....	1,468,067	1,038,191,037	148,052	166,070,810	1,616,119	1,204,261,847
1922....	2,274,185	1,494,513,991	269,991	226,049,658	2,544,176	1,720,563,649
1923....	3,624,717	2,196,272,116	409,295	308,537,929	4,034,012	2,504,810,045
1924....	3,185,881	1,970,096,559	416,659	318,580,580	3,602,540	2,288,677,139
1925....	3,735,171	2,458,370,026	530,659	458,400,277	4,265,830	2,916,770,303
1926....	3,783,987	2,640,064,519	516,947	452,123,435	4,300,934	3,092,187,954
1927....	2,936,533	2,164,670,891	464,793	420,130,624	3,401,326	2,584,801,515
1928....	3,815,417	2,576,489,623	543,342	437,132,258	4,358,759	3,013,621,881
1929....	4,587,400	2,847,118,562	771,020	566,029,644	5,358,420	3,413,148,206
1930....	2,784,745	1,645,398,523	571,241	389,436,690	3,355,986	2,034,835,213
1931....	1,973,090	1,111,273,774	416,648	262,417,542	2,389,738	1,373,691,316
1932....	1,135,491	618,291,168	235,187	136,193,336	1,370,678	754,484,504
1933....	1,573,512	762,736,512	346,545	186,069,314	1,920,057	948,805,826
1934....	2,177,919	1,147,116,195	575,192	320,143,667	2,753,111	1,467,259,862
1935....	3,252,244	1,709,425,904	694,690	379,407,751	3,946,934	2,088,833,655
1936....	3,669,528	2,015,646,217	784,587	462,820,474	4,454,115	2,478,466,691
1937*	3,915,889	2,243,732,380	893,085	534,494,873	4,808,974	2,778,227,253
1938....	2,000,985	1,236,802,411	488,100	334,147,530	2,489,085	1,570,949,941
1939....	2,866,796	1,765,189,067	710,496	494,829,231	3,577,292	2,260,018,298
1940....	3,717,385	2,370,654,083	754,901	567,820,414	4,472,286	2,938,474,497
1941....	3,779,682	2,567,205,996	1,060,820	1,069,799,855	4,840,502	3,637,005,851
1942....	222,862	163,813,559	818,662	1,427,456,801	1,041,524	1,591,270,360
1943....	139	101,799	699,689	1,451,794,475	699,828	1,451,896,274
1944....	610	446,704	737,524	1,700,928,939	738,134	1,701,375,643
1945....	69,532	57,254,655	655,683	1,181,955,532	725,215	1,239,210,187
1946....	2,148,699	1,979,781,084	940,851	1,043,247,276	3,089,550	3,023,028,360
1947....	3,558,178	3,963,896,000	1,239,744	1,709,843,000	4,797,922	5,673,739,000
1948....	3,909,270	4,853,402,000	1,376,185	1,858,210,000	5,285,425	6,711,612,000
1900 to date }	82,923,290	58,268,002,673	19,233,743	20,776,281,331	102,157,033	79,044,284,004

NOTES: Table above includes sales of military vehicles.

Prior to 1940, station wagons, ambulances, funeral cars and some school buses, built on passenger car chassis, were included with motor trucks, but number of units involved was relatively small. In 1940 and later years such vehicles built on passenger car chassis were included with passenger cars.

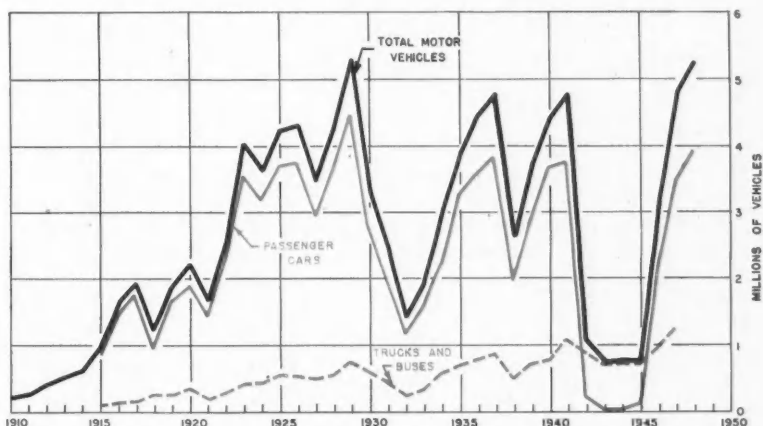
A substantial part of the trucks and buses reported comprises chassis only, without bodies; hence, the value of bodies for these chassis is not included.

Actual values of passenger car factory sales for 1943 and 1944 are not available. Value figures shown are approximations based on the average value per unit in 1942. While production of passenger cars ended in February, 1942, some vehicles remained in factory stocks to be sold under rationing orders in 1942-45.

\*Beginning with year 1937, standard equipment is included in the values reported.

Federal excise taxes are excluded in all years.

## 1948 Factory Sales Close to 1929 Record



### Monthly Factory Sales From U. S. Plants

	PASSENGER CARS			MOTOR TRUCKS AND BUSES		
	1941	1947	1948	1941	1947	1948
January...	413,012	246,605	305,081	86,436	101,091	100,582
February...	397,067	267,015	274,847	87,824	106,345	108,155
March...	416,016	301,525	349,998	94,106	119,655	142,036
April...	378,906	314,765	308,071	85,395	108,634	130,019
May...	421,631	284,357	225,461	97,115	98,283	113,077
June...	423,008	307,124	312,406	97,884	93,248	118,640
July...	347,907	279,631	356,764	97,877	99,561	117,792
August...	79,343	261,158	348,822	65,383	88,251	112,531
September...	166,397	307,942	301,170	68,460	112,327	112,367
October...	296,554	315,969	383,755	81,478	120,032	108,048
November...	259,631	305,148	364,440	93,128	89,027	104,382
December...	180,210	366,939	378,455	105,734	103,290	108,526
<b>Total....</b>	<b>3,779,682</b>	<b>3,558,178</b>	<b>3,909,270</b>	<b>1,060,820</b>	<b>1,239,744</b>	<b>1,376,155</b>

	TOTAL CARS, TRUCKS, AND BUSES					
	1939	1940	1941	1946	1947	1948
January...	342,168	431,476	499,448	101,867	347,696	405,663
February...	303,220	403,304	484,891	93,042	373,360	383,002
March...	371,946	424,611	510,122	124,003	421,180	492,034
April...	337,375	431,860	464,301	214,350	423,399	438,090
May...	297,542	391,128	518,746	243,104	382,640	338,538
June...	309,738	345,790	520,892	201,902	400,372	431,046
July...	209,359	236,405	445,784	297,633	379,192	474,556
August...	99,868	76,799	144,726	346,209	349,409	461,353
September...	188,757	267,740	234,857	328,795	420,269	413,537
October...	313,392	492,224	378,032	391,727	436,001	491,803
November...	351,785	485,658	352,759	371,156	394,175	468,822
December...	452,142	485,291	285,944	375,719	470,229	486,981
<b>Total....</b>	<b>3,577,292</b>	<b>4,472,286</b>	<b>4,840,502</b>	<b>3,089,507</b>	<b>4,797,922</b>	<b>5,285,425</b>

SOURCE: Automobile Manufacturers Association.

# Factory Sales to Domestic and Foreign Markets

From Plants Located in United States

	PASSENGER CARS			MOTOR TRUCKS AND BUSES*			TOTAL MOTOR VEHICLES		
	Total	Domestic Market	Foreign Market	Total	Domestic Market	Foreign Market	Total	Domestic Market	Foreign Market
1921...	1,468,067	1,417,017	51,050	148,052	135,483	12,569	1,616,119	1,552,500	63,619
1922...	2,274,185	2,169,185	105,000	269,991	247,593	22,398	2,544,176	2,416,778	127,398
1923...	3,624,717	3,449,659	175,059	408,295	349,077	60,218	4,034,012	3,798,735	235,277
1924...	3,185,981	2,968,711	217,170	416,659	340,555	76,104	3,602,540	3,308,266	293,274
1925...	3,735,171	3,419,072	316,099	530,659	418,064	112,595	4,265,830	3,837,136	428,694
1926...	3,783,987	3,494,791	289,196	516,947	413,080	103,867	4,300,934	3,907,871	393,063
1927...	2,936,533	2,604,491	332,042	464,793	330,455	134,338	3,401,326	2,934,946	466,380
1928...	3,815,417	3,396,516	418,901	543,342	379,530	163,812	4,358,759	3,776,046	582,713
1929...	4,587,400	4,136,305	451,095	771,020	488,353	282,667	5,358,420	4,624,658	733,762
1930...	2,784,745	2,536,981	247,764	571,241	413,250	157,991	3,358,986	2,950,271	408,715
1931...	1,973,090	1,838,786	134,304	416,648	309,029	107,619	2,389,738	2,147,815	241,923
1932...	1,135,491	1,062,376	73,115	235,187	187,837	47,350	1,370,678	1,280,213	120,465
1933...	1,573,512	1,475,357	98,155	346,545	268,117	78,428	1,920,057	1,743,474	176,583
1934...	2,177,919	1,993,763	184,156	575,192	448,826	126,366	2,753,111	2,442,589	310,522
1935...	3,252,244	3,041,877	210,367	694,690	570,216	124,474	3,946,934	3,612,093	334,841
1936...	3,669,528	3,458,051	211,477	784,587	649,997	134,590	4,454,115	4,108,048	346,067
1937...	3,915,889	3,643,386	272,503	893,085	689,674	203,411	4,808,974	4,333,060	475,914
1938...	2,000,985	1,810,938	190,047	468,100	352,207	115,893	2,469,085	2,163,145	325,940
1939...	2,666,796	2,702,181	164,615	710,496	586,973	123,523	3,377,292	3,261,154	316,138
1940...	3,717,385	3,608,042	109,343	682,791	599,912	82,879	4,410,176	4,207,984	202,222
1941...	3,779,682	3,681,558	98,124	854,719	743,932	110,787	4,634,401	4,425,490	208,911
1942...	222,862	215,779	7,083	184,985	164,325	20,660	407,847	380,104	27,743
1943...	139	121	18	24,842	23,420	1,422	24,981	23,541	1,440
1944...	610	308	302	116,167	102,295	13,872	116,777	102,603	14,174
1945...	69,532	68,093	1,439	291,469	254,039	37,430	361,001	322,132	38,869
1946...	2,148,699	2,004,649	144,050	940,851	753,830	187,021	3,089,550	2,758,479	331,071
1947...	3,559,178	3,297,331	260,847	1,239,744	986,255	253,489	4,797,922	4,285,586	512,336
1948...	3,909,270	3,676,093	233,177	1,376,155	1,173,115	203,040	5,285,425	4,849,208	436,217

\*Military trucks excluded from 1940 through 1945.

SOURCE: U. S. Department of Commerce through 1939; Automobile Manufacturers Association for subsequent years.

## 6% of Cars, 15% of Trucks Exported in 1948

Year	PASSENGER CARS	Trucks & Buses	Total Vehicles	Year	PASSENGER CARS	Trucks & Buses	Total Vehicles
1925.....	8.5%	21.2%	10.0%	1935.....	6.5%	17.9%	8.5%
1926.....	7.6	20.1	9.1	1936.....	5.8	17.2	7.8
1927.....	11.3	29.0	13.7	1937.....	6.9	22.8	9.9
1928.....	11.0	30.1	13.4	1938.....	9.5	27.8	13.1
1929.....	9.8	36.7	13.7	1939.....	5.7	21.3	8.8
1930.....	8.9	27.7	12.1	1940.....	2.9	13.4	4.6
1931.....	6.8	25.8	10.1	1941.....	2.6	13.9	4.7
1932.....	6.4	20.1	8.8	1946.....	6.7	19.9	10.7
1933.....	6.2	22.6	9.2	1947.....	7.3	20.3	10.7
1934.....	8.4	22.0	11.3	1948.....	6.0	14.8	8.3

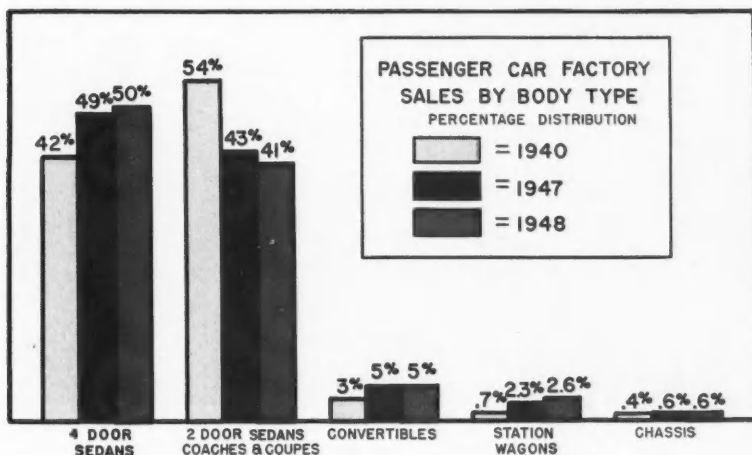
## 29,112 Vehicles Imported in 1948

Year	PASSENGER CARS		TRUCKS	Total
	New	Used		
1936.....	460	607	1	1068
1937.....	1442	499	0	1941
1938.....	187	390	1	578
1939.....	298	335	1	634
1940.....	253	302	0	555
1941.....	50	308	0	358
1942.....	25	372	27	424
1943.....	74	217	59	350
1944.....	11	288	27	326
1945.....	51	475	5	531
1946.....	1375	575	15	1965
1947.....	1456	646	22	2124
1948.....	28047	381	684	29112

NOTE: New Passenger Car Imports in 1949: January, 1,856; February, 1,462; March, 568.

SOURCE: U. S. Department of Commerce.

## 4-Door Sedans Are Most Popular Body Type



### Passenger Car Factory Sales by Body Types

Body Type	1940	1947	1948
4-Door Sedans.....	1,559,215	1,745,100	1,968,946
2-Door Sedans, Coaches and Coupes (except Business Coupes).....	2,014,386	1,455,097	1,554,687
Business Coupe..... <sup>①</sup>		82,944	63,372
Convertibles.....	105,335	173,863	196,597
Station Wagons <sup>②</sup> .....	25,098	79,638	102,463
Chassis.....	13,351	21,536	23,205
<b>TOTAL.....</b>	<b>3,717,385</b>	<b>3,558,178</b>	<b>3,909,270</b>

①—Business coupes sold in 1940 are included with all other 2-Door closed body types.

②—Station wagons produced on commercial vehicle chassis are not included.

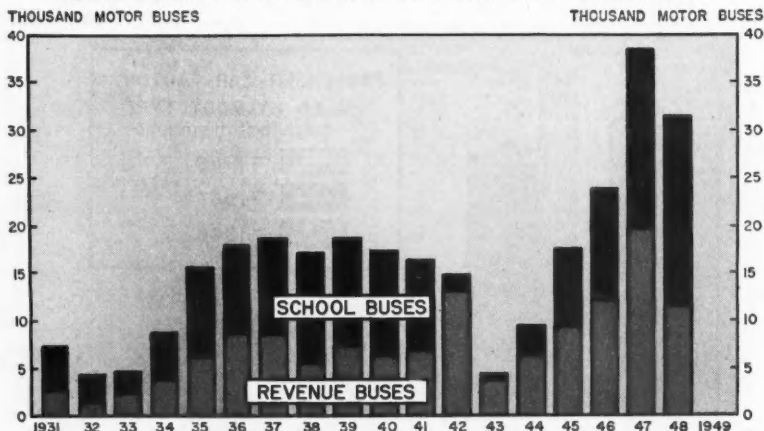
### 110,300 Station Wagons Produced in 1948

#### Factory Sales of Special Motor Vehicle Types From Plants in United States

Vehicle Types	1947			1948		
	Domestic Market	Export Market	Total	Domestic Market	Export Market	Total
Station Wagons.....	70,078	11,895	81,973	102,023	8,289	110,312
Motor Coaches.....	16,650	2,460	19,110	10,526	1,773	12,299
School Bus Chassis.....	20,241	10,190	30,431	15,387	8,368	23,755
Trucks with Cab over Engine.....	29,175	3,428	32,603	28,692	2,355	31,047
Trucks with Diesel Engines.....	2,605	3,604	6,209	3,684	2,014	5,698
Multi-Stop Trucks.....	15,317	559	15,876	21,198	182	21,380
Ambulances and Funeral Vehicles.....	—	—	3,746	—	—	4,727

These vehicles have been included in factory sales figures on page 4 to 6.

## 1948 School Bus Deliveries Gain 10% Over 1947



Year	City Type	Intercity Type	Charter and Sightseeing	Total Revenue Buses	School Buses	Total Buses
1931	1,480	1,169	57	2,706	4,411	7,117
1932	716	743	34	1,493	2,777	4,270
1933	1,531	787	60	2,378	2,420	4,798
1934	2,423	1,463	—	3,886	4,582	8,468
1935	3,978	2,255	34	6,267	9,363	15,630
1936	5,800	2,610	90	8,500	8,913	17,413
1937	5,947	2,430	107	8,484	9,892	18,376
1938	3,606	2,167	89	5,862	11,272	17,134
1939	4,594	2,415	100	7,109	11,546	18,655
1940	4,573	2,001	67	6,641	10,566	17,207
1941	5,873	2,088	7	7,968	8,622	16,590
1942	9,010	3,968	8	12,986	1,856	14,842
1943	2,070	1,691	—	3,761	206	3,967
1944	4,323	1,927	—	6,250	3,192	9,442
1945	5,908	3,508	—	9,416	8,225	17,641
1946	8,300	3,335	—	11,635	12,025	23,660
1947	14,726	5,338	21	20,085	18,619	38,704
1948	7,810	3,333	60	11,203	20,513	31,716

NOTE: These figures exclude vehicles exported except to Canada. For this and other reasons they are not strictly comparable with bus production data shown on page 10. Trailer type vehicles and sales to U. S. Government agencies are omitted.

SOURCE: "Bus Transportation".

### 92,150 Revenue Motor Buses in Operation in United States 90,400 Buses Serve Schools

Year	Intercity Buses	Local Buses ①	Charter and Sightseeing Buses	Total Common Carrier Buses	School Buses ②	Total Buses
1941	18,420	37,855	2,383	58,658	87,400	146,058
1942	22,710	44,101	2,400	69,211	79,000	148,211
1943	28,504	48,610	2,000	76,114	77,850	153,964
1944	28,000	48,525	3,300	79,825	75,500	155,325
1945	29,000	45,955	1,033	75,988	83,228	159,216
1946	30,260	47,760	1,475	79,495	82,500	161,995
1947	31,900	54,100	3,000	89,000	85,900	174,900
1948 ③	31,775	57,175	3,200	92,150	90,400	182,550

①Omits trolley buses.

②Exclusive of common carrier buses doing schoolwork.

③Estimated.

SOURCE: "Bus Transportation" as of December 31st.



# Canadian Output 263,760 Motor Vehicles in 1948

(Figures from Dominion Bureau of Statistics, Ottawa, Canada)

## Number and Wholesale Value of Canadian Production

Year	PASSENGER CARS		TRUCKS		TOTAL	
	Number	Value	Number	Value	Number	Value
1921	61,098	\$ 53,561,415	5,148	\$ 3,843,288	66,246	\$ 57,404,703
1929	203,307	134,023,280	59,318	29,474,395	262,625	163,497,675
1932	50,694	32,490,129	10,095	6,070,667	60,789	38,560,796
1940	109,911	83,544,445	113,102	91,191,516	223,013	174,735,961
1941	96,603	81,167,694	173,588	163,414,253	270,191	244,581,947
1942	12,236	10,305,013	216,057	229,103,128	228,293	239,408,741
1943	—	—	178,064	222,393,092	178,064	222,393,092
1944	—	—	158,038	213,259,582	158,038	213,259,582
1945	1,868	1,638,118	130,777	167,103,012	132,645	168,741,130
1946	91,871	82,847,330	79,657	81,204,338	171,528	164,051,668
1947	167,257	182,161,183	90,758	116,357,486	258,015	298,518,669
1948	166,819	210,799,512	96,941	137,228,722	263,760	348,028,234

NOTE: Table above includes all wheeled vehicles for military use, but not scout cars or universal carriers.

## Canadian Registrations of Motor Vehicles

Year	Passenger Cars	Motor Trucks	Motor Buses	Other Com.	Total
1940	1,234,637	247,858	2,958	1,997	1,487,450
1941	1,279,536	270,941	3,441	4,389	1,558,307
1942	1,216,950	283,777	4,016	3,592	1,508,335
1943	1,193,847	294,176	4,302	3,124	1,495,449
1944	1,177,558	302,611	4,676	2,677	1,487,522
1945	1,160,058	315,606	5,988	1,235	1,482,887
1946	1,234,006	355,095	5,788	10,411	1,605,300
1947	1,364,000	419,242	6,826	7,028	1,797,096

## Canadian Automobile Parts and Accessories Industry

Year	No. of Plants	Ave. No. of Emp.	Salaries and Wages	Wholesale Value of Products	Value of Exports	Value of Imports*
1929	65	4,708	\$ 6,711,434	\$ 31,965,078	\$ 2,350,232	\$44,772,091
1932	76	3,832	3,874,618	12,161,456	1,846,033	11,588,190
1940	100	10,441	14,981,791	64,878,624	10,712,365	47,580,369
1941	102	16,138	25,764,272	124,386,867	20,737,635	71,545,346
1942	101	21,010	37,011,834	184,499,499	62,960,913	76,420,704
1943	101	21,631	40,328,567	175,074,983	213,942,858	67,118,013
1944	104	20,366	38,671,730	160,195,390	139,344,916	80,320,522
1945	108	17,390	33,115,867	126,562,829	93,852,013	71,731,844
1946	113	16,179	27,561,067	93,578,142	21,110,039	67,563,246
1947	128	17,487	36,559,864	131,534,939	20,141,614	103,394,972
1948	—	—	—	—	15,339,688	163,791,354

## Canadian Motor Vehicle Manufacturing Industry

Year	No. of Plants	Ave. No. of Emp.	Salaries and Wages	Exports		Imports	
				Cars	Trucks	Cars	Trucks
1929	17	16,435	\$26,864,808	64,863	36,848	39,446	5,278
1932	25	8,810	11,435,741	9,800	2,734	1,160	289
1939	12	14,427	20,573,714	38,548	19,955	16,332	2,120
1940	10	16,798	31,110,945	18,145	66,047	15,155	1,937
1941	10	19,597	44,783,064	12,315	130,304	2,672	1,190
1942	6	24,403	52,281,941	5,283	159,377	327	3,392
1943	5	24,265	57,569,265	172	165,910	21	1,388
1944	5	22,499	53,879,982	62	144,151	35	3,249
1945	6	17,915	43,623,220	44	122,768	236	1,855
1946	9	21,647	43,968,772	23,451	44,660	18,642	8,697
1947	9	23,837	58,047,977	41,550	42,215	35,570	7,293
1948	11	24,703	68,477,721	27,277	20,901	17,037	3,513

\* Does not include car and truck engines and parts.

## 1947 Production of Selected Motor Vehicle Repair Parts

(SOURCE: "Census of Manufactures, 1947", U. S. Department of Commerce)

	Total No. of Units Produced <sup>①</sup> (000)	Total No. of Units Used in Assembly of New Vehicles 1947 (000)	Total No. of Units Remaining for Replacement and Other Purposes <sup>①</sup> (000)
Engines, new (with or without cylinder heads, fuel pumps, water pumps and other standard components):			
Gasoline.....	5,767	4,680	1,087
Diesel and semi-Diesel.....	15	13	2
Carburetors.....	7,304	4,680	2,624
Pistons:			
Aluminum.....	50,407	22,650	27,757
All other.....	16,396	8,218	8,178
Piston rings:			
Oil type.....	197,582	47,901	149,681
Compression.....	356,113	62,148	293,965
Fuel pumps.....	14,583	4,693	9,890
Water pumps.....	9,485	5,546	3,939
Storage batteries.....	②31,652	4,693	26,959
Battery charging generators.....	5,728	4,693	1,035
Starting motors.....	②5,751	4,693	1,058
Spark plugs.....	③252,116	30,797	221,319
Mufflers (exhaust).....	13,559	4,693	8,866
Muffler tailpipes.....	8,125	4,693	3,432
Radiators, complete.....	5,817	4,693	1,124
Radiator cores (include cores incorporated in complete radiators).....	5,840	4,693	1,147
Wheels (Passenger car and truck and bus types—including those for truck trailers and trailer coaches).....	29,088	24,691	4,397
Universal joints.....	12,937	6,976	5,961
Valves (intake and exhaust only).....	125,814	61,736	64,078
Shock absorbers.....	21,340	16,696	4,644
Fan belts and similar type belts for motor vehicle engines.....	35,667	5,678	29,989
Clutch disc and facing assemblies.....	11,778	4,472	7,306
Headlights, sealed beam units.....	17,057	9,386	7,671

①—The number of motor vehicle parts for the replacement market was derived from the figures on "Total Number of Units Produced" reported by parts producers and motor vehicle manufacturers and the figures on "Total Number of Units Used in Assembly of New Vehicles in 1947" reported by motor vehicle producers. The number of units produced included some parts suitable for use in motor vehicles but which may have been used for other purposes. However, all parts included were "new" parts. Rebuilt engines, carburetors, pistons, etc., were excluded.

②—Includes a small quantity used for farm tractors.

③—Includes a very small quantity of aircraft type spark plugs.

## Motor Coach Deliveries From U. S. Plants

Does Not Include Non-Integral School Buses

Market and Year	City Coaches	Intercity Coaches	Special Coaches*	Total
Domestic				
1946.....	6,842	2,276	159	9,277
1947.....	11,799	3,451	1,400	16,650
1948.....	6,971	2,558	997	10,526
Export				
1946.....	699	107	7	813
1947.....	1,821	500	139	2,460
1948.....	1,267	468	38	1,773
Total				
1946.....	7,541	2,383	166	10,090
1947.....	13,620	3,951	1,539	19,110
1948.....	8,238	3,026	1,035	12,299

\* Includes Integral School Buses.

SOURCE: Automobile Manufacturers Association

# 1948 Replacement Parts and Accessory Sales Set New Record

United States Domestic Market



Estimates are Based on Federal Excise Tax Receipts

Calendar Year	Wholesale Value	Yearly Increase %	Calendar Year	Wholesale Value	Yearly Increase %
1933	\$234,461,090	—	1941	\$ 718,212,295	30.0
1934	299,879,633	28.0	1942	471,956,985	-34.3
1935	373,159,429	24.6	1943	527,710,048	12.0
1936	454,110,443	21.5	1944	789,000,000	49.5
1937	461,774,995	2.0	1945	1,012,000,000	28.3
1938	360,892,902	-21.6	1946	1,753,000,000	73.2
1939	460,408,017	27.5	1947	2,353,000,000	34.1
1940	553,004,020	20.0	1948	2,553,000,000	8.5

## 1948 Passenger Car Tire Sales 14% Below 1947

	Original Equipment	Replacement	Export	Total Shipments	Production	Year-End Inventory
1941	19,855,693	34,118,268	586,423	54,560,384	50,391,918	3,165,132
1942*	871,997	2,664,904	37,852	3,574,753	2,751,873	4,432,038
1943	81,917	10,605,445	71,655	10,759,017	7,620,440	1,132,259
1944	208,086	18,329,918	130,032	18,668,036	18,818,738	1,217,615
1945	1,115,295	25,462,305	222,375	26,799,975	28,199,792	2,214,517
1946	11,086,542	54,684,036	652,643	66,423,221	66,466,319	1,763,472
1947	19,644,143	82,887,228	1,608,082	74,109,453	77,795,299	5,444,071
1948	21,582,372	41,275,088	659,082	63,516,542	66,780,127	8,788,907

## Truck and Bus Tire Production Down 18% from 1947

1941	4,924,615	5,776,145	902,790	11,603,550	11,148,278	1,270,933
1942*	5,848,012	6,137,864	169,473	12,155,349	12,595,873	1,815,169
1943	6,045,703	7,941,218	153,800	14,140,721	12,802,789	751,238
1944	6,446,428	8,108,959	132,568	14,687,955	14,626,833	795,020
1945	4,868,993	11,016,111	282,028	16,167,132	16,324,121	862,664
1946	4,223,610	10,806,211	859,369	15,889,190	15,831,862	684,800
1947	5,411,521	10,013,994	1,648,396	17,073,911	17,754,837	1,505,221
1948	5,257,788	7,851,156	1,149,196	14,258,140	14,588,007	1,933,166

SOURCE: Estimated by The Rubber Manufacturers Association.

## 1948 Replacement Auto Battery Shipments 49% Above 1941

Year	Thousands	Year	Thousands	Year	Thousands	Year	Thousands
1939	13,416	1942	15,191	1945	17,560	1948	23,726
1940	14,342	1943	16,999	1946	17,522		
1941	15,927	1944	19,115	1947	24,447		

SOURCE: Association of American Battery Manufacturers.

# Truck Exports Largest to S. America; Cars to Africa

## U. S. Motor Vehicle Exports, 1948

Passenger				Total	Passenger				Total
Country	Cars	Trucks	Buses		Country	Cars	Trucks	Buses	
NORTH & CENTRAL AMERICA					ASIA				
Greenland.....	—	6	—	6	Turkey.....	1,017	6,097	28	7,142
Iceland.....	142	26	—	168	Syria.....	287	118	24	429
Canada.....	3,351	3,125	—	6,476	Lebanon.....	1,046	777	51	1,874
Newfoundland.....	1,266	499	2	1,787	Iraq.....	475	677	—	1,152
Mexico.....	11,182	12,627	255	24,064	Iran.....	1,368	1,213	4	2,585
Guatemala.....	840	987	48	1,875	Palestine.....	287	952	24	1,263
Br. Honduras.....	16	9	—	25	Transjordan.....	361	204	—	565
El Salvador.....	795	598	49	1,442	Kuwait.....	330	460	8	798
Honduras.....	183	270	3	456	Saudi Arabia.....	927	1,475	8	2,410
Nicaragua.....	196	227	14	437	Arabia.....	40	8	—	48
Costa Rica.....	415	287	2	704	Aden.....	110	27	—	137
Panama.....	2,201	488	—	2,689	Bahrain.....	140	195	7	342
Canal Zone.....	1,277	85	—	1,362	Afghanistan.....	59	125	—	184
Bermuda.....	8	11	—	19	India.....	6,052	15,837	432	22,321
Bahamas.....	73	24	—	97	Pakistan.....	83	125	—	208
Cuba.....	11,514	8,351	39	19,904	Ceylon.....	110	86	—	196
Jamaica.....	89	27	—	116	Burma.....	172	40	—	212
Haiti.....	347	325	—	672	Thailand.....	128	723	2	853
Dom. Republic.....	960	1,175	28	2,163	Fr. Indochina.....	174	524	—	698
Leeward Isl.....	9	6	—	15	Br. Malaya.....	657	359	—	1,016
Barbados.....	9	2	—	8	Neth. Indies.....	2,662	6,704	4	9,370
Trinidad.....	46	14	—	60	Philippine Rep.....	6,114	6,263	677	13,054
Curacao.....	1,447	599	6	2,052	Port. Asia.....	19	2	—	21
Fr. W. Indies.....	41	29	—	70	Asia, N.E.S.....	—	1	—	1
<b>Total.....</b>	<b>36,424</b>	<b>29,797</b>	<b>446</b>	<b>66,667</b>	China.....	777	14	18	809
SOUTH AMERICA					Korea.....	5	46	—	51
Colombia.....	8,026	3,149	31	11,206	Hong Kong.....	549	65	6	620
Venezuela.....	14,056	16,292	322	30,670	Taiwan.....	2	—	—	2
Br. Guiana.....	9	16	—	25	Japan.....	204	30	—	234
Surinam.....	69	53	—	122	<b>Total.....</b>	<b>24,155</b>	<b>43,147</b>	<b>1,293</b>	<b>68,595</b>
Fr. Guiana.....	6	3	—	9	OCEANIA				
Ecuador.....	244	1,220	36	1,500	Australia.....	2,018	2,834	8	4,860
Peru.....	1,137	573	12	1,722	New Zealand.....	23	89	—	112
Bolivia.....	289	1,143	—	1,432	Br. W. Pac. Isls.....	6	4	—	10
Chile.....	953	1,355	43	2,351	Fr. Oceania.....	39	15	1	55
Brazil.....	16,628	35,023	905	52,556	<b>Total.....</b>	<b>2,086</b>	<b>2,942</b>	<b>9</b>	<b>5,037</b>
Paraguay.....	60	334	26	440	AFRICA				
Uruguay.....	1,074	1,485	—	2,559	French Morocco.....	1,099	521	—	1,620
Argentina.....	10,139	2,360	—	12,499	Tangier.....	586	223	—	809
<b>Total.....</b>	<b>52,710</b>	<b>63,006</b>	<b>1,378</b>	<b>117,091</b>	Algeria.....	16	12	—	28
EUROPE					Tunisia.....	53	12	—	65
Sweden.....	2,368	1,101	72	3,541	Libya.....	2	4	—	6
Norway.....	183	85	12	280	Egypt.....	869	1,391	—	2,260
Denmark.....	421	863	—	1,284	Sudan.....	34	118	—	152
Un. Kingdom.....	332	119	80	531	Canary Isl.....	30	50	—	80
Ire.....	1,122	1,642	—	2,764	Spanish Africa.....	47	70	—	117
Netherlands.....	2,748	1,989	60	4,797	Cameroon.....	40	118	—	158
Belgium.....	23,391	9,238	151	32,780	Fr. Equat. Africa.....	8	140	—	148
France.....	1,366	138	1	1,505	Fr. W. Africa.....	49	202	—	251
Germany.....	134	11	—	145	Gold Coast.....	52	172	—	224
Austria.....	28	—	—	28	Nigeria.....	127	536	—	663
Czechoslovakia.....	38	1	1	40	Br. W. Africa.....	—	—	—	—
Hungary.....	43	—	—	43	N.E.S.....	8	21	—	29
Switzerland.....	6,540	1,642	—	8,182	Madeira Islands.....	36	18	—	54
Finland.....	292	66	168	526	Angola.....	232	567	—	799
Poland.....	11	30	—	41	Port. Gu. N.E.S.....	1	—	—	67
U.S.S.R.....	1	16	—	17	Liberia.....	74	296	—	370
Azores.....	36	19	—	55	Belgian Congo.....	2,271	3,431	16	5,718
Spain.....	584	630	20	1,234	Ethiopia.....	99	86	—	185
Portugal.....	1,715	1,620	17	3,352	Fr. Somaliland.....	39	2	—	41
Malta.....	4	13	—	17	Mauritius.....	1	4	—	5
Italy.....	413	64	—	477	Br. E. Africa.....	396	479	—	875
Trieste.....	33	3	—	36	Mozambique.....	390	400	—	790
Yugoslavia.....	100	14	—	114	Madagascar.....	9	11	—	20
Greece.....	129	5,336	163	5,628	Un. of S. Africa.....	53,522	27,729	37	81,288
Rumania.....	57	212	—	269	No. Rhodesia.....	37	71	—	108
Bulgaria.....	13	4	—	17	So. Rhodesia.....	298	421	—	719
<b>Total.....</b>	<b>42,102</b>	<b>24,856</b>	<b>748</b>	<b>67,703</b>	<b>Total.....</b>	<b>60,434</b>	<b>37,162</b>	<b>83</b>	<b>97,649</b>
WORLD					TOTAL* 217,911 200,910 3,921 422,742				

\*Excludes shipments to U. S. non-contiguous territories.

SOURCE: U. S. Department of Commerce.

# 1948 World Motor Vehicle Production Over 6,400,000

	1938			1948			
	Passenger Cars	Trucks & Buses	Total	Passenger Cars	Trucks	Buses	Total
United States....	2,000,985	488,100	2,489,085	3,909,270	1,363,856	12,299	5,285,425
Canada.....	123,761	42,325	166,086	166,819	96,147	794	263,760
Subtotal.....	2,124,746	530,425	2,655,171	4,076,089	1,460,003	13,093	5,549,185
Australia.....	—0—	—0—	—0—	163	—0—	—0—	163
Austria.....	Included with Germany			3	776	124	903
Belgium.....	1,464	201	1,665	588	405	65	1,058
Czechoslovakia.....	11,400	1,600	13,000	16,198 ①	6,606 ①	—0—	22,804
Denmark.....	—0—	303	303	—0—	70	30	100
Finland.....	—0—	180	180	—0—	170	150	320
France.....	189,691	25,298	214,989	100,091	93,826	3,698	197,615
Germany.....	276,592	75,777	352,369	29,942	27,951	867	58,760 ①
Hungary.....	237	553	790	—0—	375	—0—	375
Italy.....	58,966	11,175	70,141	44,221	13,774	1,770	59,765
Japan.....	8,500	15,600	24,100	381	19,859	127	20,367 ①
Netherlands.....	N.A.	N.A.	N.A.	—0—	724	892	1,616
Poland.....	2,100	820	2,920	—0—	—0—	—0—	—0—
Spain.....	N.A.	N.A.	N.A.	390	370	④	760
Sweden.....	2,132	4,914	7,046	2,990	5,136	1,566	9,692
Switzerland.....	—0—	600	600	—0—	426	160	586
United Kingdom.....	341,028	103,849	444,877	334,820	177,169	—0—	511,989
U.S.S.R.....	26,975	183,756	210,731	N.A.	N.A.	N.A.	N.A.
Subtotal.....	919,085	424,626	1,343,711	529,787	347,637	9,449	886,873
World Total.....	3,043,831	955,601	3,999,432	4,605,876	1,807,640	22,542	6,436,058

① First 11 months of 1948.

② Bizonal area.

③ Excluding 18,259 miscellaneous vehicles.

④ Included with trucks.

## Imports and Exports by Motor Vehicle Producing Countries

	1948 IMPORTS				1948 EXPORTS			
	Passenger Cars	Trucks	Buses	Total	Passenger Cars	Trucks	Buses	Total
United States.....	28,047	684	3	28,734	217,911	203,528	①	421,439
Canada.....	17,037	3,348	227	20,612	27,277	20,901	—0—	48,178
Subtotal.....	45,084	4,032	230	49,346	245,188	224,429	—0—	469,617
Australia.....	61,646	26,517	①	88,163	—0—	—0—	—0—	—0—
Austria.....	648	361	30	1,039	—0—	10	—0—	10
Belgium.....	26,903	10,276	483	37,662	3,008 ②	1,274 ②	1	4,283
Czechoslovakia.....	331 ②	102 ②	13 ②	446	4,763 ②	979 ②	—0—	5,742
Denmark.....	2,518	6,027	①	8,545	904 ②	214 ②	①	1,118
Finland.....	1,105	3,687	①	4,792	—0—	—0—	—0—	—0—
France.....	1,596	431	①	2,027	58,764	19,835	780	79,379
Germany.....	—0—	—0—	—0—	—0—	6,089	682	10	6,781
Hungary.....	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Italy.....	126	24	—0—	150	13,627	5,705	—0—	19,332
Japan.....	282	820	—0—	1,102	1	2	—0—	3
Netherlands.....	14,473	5,255	678	20,406	778 ③	18 ③	3 ③	799
Poland.....	N.A.	N.A.	N.A.	N.A.	—0—	—0—	—0—	—0—
Spain.....	2,545	4,355	①	6,900	—0—	—0—	—0—	—0—
Sweden.....	8,554	4,142	②	12,696	686	102	②	788
Switzerland.....	23,946	2,960	①	26,906	70 ③	70	35	175
United Kingdom.....	180	2,058 ④	—0—	2,238	226,911	70,995	4,096	302,002
U.S.S.R.....	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Subtotal.....	144,853	67,015	1,204	213,072	315,601	99,886	4,925	420,512
World Total.....	189,937	71,047	1,434	262,418	560,789	324,315	4,925	890,026

① Included with trucks.

② First 8 months.

③ Included with passenger cars.

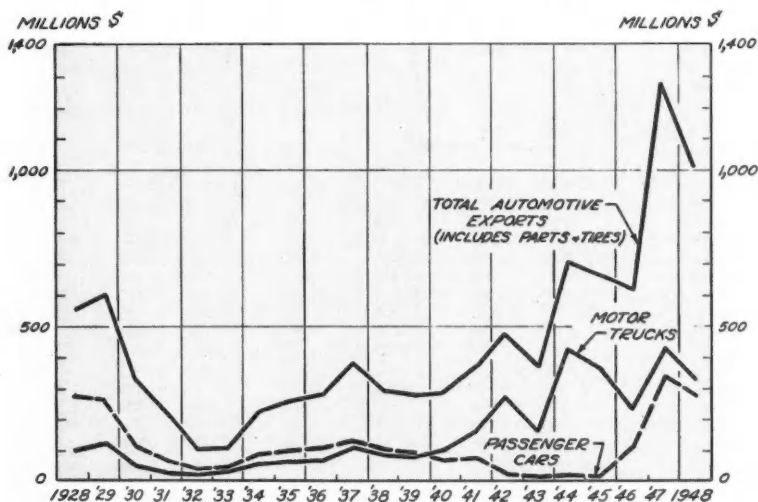
④ Includes new

and used trucks, industrial trucks, and used cars.

⑤ Includes re-exports.

SOURCE: U. S. Department of Commerce.

## 1948 Automotive Exports Exceed \$1 Billion



### Trucks Are 34% of Total Automotive Exports

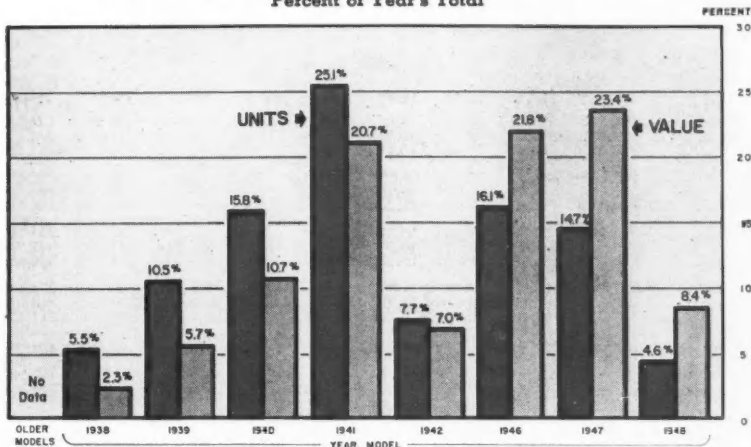
	Passenger Cars	Trucks	Cars and Trucks	Parts and Accessories ①	Rubber Tires and Tubes	Total Value of Exports ①
1925 .....	\$190,855,961	\$ 39,291,105	\$230,147,066	\$ 98,078,545	\$ 30,505,000	\$358,730,611
1926 .....	182,094,181	48,674,301	230,768,482	99,316,776	35,236,432	365,321,690
1927 .....	214,275,617	72,029,247	286,304,864	112,619,968	44,579,258	443,504,090
1928 .....	269,394,714	93,262,399	362,657,113	156,189,550	40,576,596	559,423,259
1929 .....	239,633,163	112,971,107	352,604,270	204,433,451	42,794,388	599,832,109
1930 .....	109,990,336	56,957,246	166,947,582	125,022,350	34,936,061	326,905,993
1931 .....	53,047,943	26,302,030	79,349,973	79,304,435	22,907,795	181,562,203
1932 .....	25,614,606	12,214,163	37,828,769	45,014,472	10,593,358	93,436,599
1933 .....	33,945,464	20,691,338	54,636,802	41,646,879	11,377,630	107,661,311
1934 .....	80,603,633	45,125,359	125,728,992	72,894,468	13,647,144	212,270,604
1935 .....	99,342,411	51,985,938	151,328,349	89,354,087	13,206,125	253,888,561
1936 .....	107,483,285	56,683,828	164,167,113	91,329,409	13,938,409	269,434,931
1937 .....	140,638,203	102,957,996	243,596,199	122,364,286	17,914,078	383,874,563
1938 .....	104,628,982	74,490,036	179,119,018	107,613,293	15,871,265	302,603,576
1939 .....	89,172,300	71,422,015	160,594,315	109,321,470	21,883,803	291,789,588
1940 .....	63,766,211	91,324,669	155,100,880	117,173,166	27,520,815	299,794,861
1941 .....	69,077,198	154,101,500	223,178,698	133,015,153	31,472,904	387,666,755
1942 .....	13,884,618	263,861,310	277,745,928	158,719,416	46,765,430	483,230,774
1943 .....	2,895,134	147,920,724	150,815,858	133,038,789	92,716,670	376,571,317
1944 .....	3,623,981	401,587,626	405,211,607	245,609,659	61,379,255	712,200,521
1945 .....	2,898,836	352,836,408	355,735,244	247,094,984	59,880,953	662,711,181
1946 .....	122,500,568	227,748,532	350,249,100	207,418,991	73,767,045	631,435,136
1947 .....	335,330,528	429,998,475	765,329,003	393,078,056	121,081,083	1,279,488,142
1948 .....	279,837,012	343,160,770	622,997,782	316,102,194	66,587,973	1,005,687,949

① Includes used passenger cars and trucks, trailers, parts for assembly, garage equipment.

SOURCE: U. S. Department of Commerce.

# Sales of 1941 Model Used Cars Greatest in Number

Chart Shows Sales of Used Cars During 1948, Expressed as Percent of Year's Total



SOURCE: National Automobile Dealers Association.

## 5,600,000 Used Cars Sold in 1948

About 3,500,000 used passenger cars were purchased in 1946, 4,500,000 in 1947, and 5,600,000 in 1948 according to surveys conducted by the University of Michigan Survey Research Center for the Federal Reserve Board.

## 39% of New and Used Cars Sold on Instalments in 1948

Method of Payment	1946	1947	1948
Full Cash	77%	65%	59%
Instalment Credit	21	35	39
Not Known	2	*	2
Total	100%	100%	100%

\* Less than 1/2 of one percent.

SOURCE: Survey of Consumer Finances, Federal Reserve Board.

## Consumer Instalment Credit Based on Sale of New and Used Passenger Cars\*

Estimates in Millions of Dollars

YEARLY	VOLUME EXTENDED DURING PERIOD			AMT. OUTSTANDING—END PERIOD		
	Automobile Dealers <sup>①</sup>	Commercial Banks <sup>②</sup>	Total*	Automobile Dealers <sup>①</sup>	Commercial Banks <sup>②</sup>	Total*
1941	\$2,797	—	—	\$1,942	\$310	\$2,252
1942	433	\$ 194	\$ 627	482	123	605
1943	243	169	412	175	79	254
1944	400	213	613	200	96	296
1945	370	274	644	227	139	366
1946	899	577	1,476	544	306	850
1947	1,866	996	2,862	1,151	536	1,687
1948†	2,921	1,261	4,182	1,963	735	2,698

\* Does not include direct automobile instalment loans of industrial banks, industrial loan companies, small loan companies, or credit unions. † Preliminary.

① Automobile sale credit granted by automobile dealers. The bulk of this paper is purchased by sales finance companies and banks. Includes transactions of dealers in used cars; does not include credit arising from business in replacement parts and repair services.

② Direct automobile instalment loans of commercial banks. Does not include purchased paper.

SOURCE: Federal Reserve Board.

# New Motor Vehicle Registrations, 1940-1948

1942-1945 Data are OPA and WPB-ODT Releases

## Passenger Cars

	1940	1941	1942	1943	1944	1945	1946	1947	1948
Jan.....	260,216	297,558	64,603	10,204	9,607	2,465	493,299	209,063	274,978
Feb.....	224,625	299,701	19,177	10,875	6,798	1,735		214,333	249,781
Mar.....	312,371	419,396	39,667	26,411	7,450	1,468		264,714	311,650
Apr.....	353,239	488,460	25,535	26,552	8,076	802	493,299	290,226	330,555
May.....	345,748	514,478	29,700	25,102	8,220	618		286,719	255,638
June.....	318,615	443,470	23,399	20,261	7,374	588		269,863	246,926
July.....	315,246	391,795	25,137	18,515	4,705	280	172,961	263,167	291,206
Aug.....	211,031	246,595	26,671	17,578	3,481	2,961	199,316	264,866	317,788
Sept.....	148,000	125,293	18,675	15,125	2,458	2,960	219,281	251,655	296,339
Oct.....	290,495	165,485	13,757	13,807	2,523		225,180	281,428	291,442
Nov.....	301,430	164,747	9,826	11,977	2,594	32,000	230,424	258,934	313,230
Dec.....	334,889	174,188	8,544	9,398	2,444	26,000	274,735	312,263	311,419
Total.....	3,415,905	3,731,166	304,691	205,805	65,730	71,877	1,815,196	3,167,231	3,490,952

## Commercial Cars and Trucks

	1940	1941	1942	1943	1944	1945	1946	1947	1948
Jan.....	45,026	50,830	23,356	2,249	6,746	15,455	87,375	62,477	69,486
Feb.....	40,729	50,124	10,311	3,675	5,450	16,519		63,752	74,326
Mar.....	52,290	62,413	9,453	4,632	5,746	15,638		79,344	94,806
Apr.....	54,846	64,236	5,613	5,142	8,387	14,359	40,920	85,148	108,168
May.....	50,543	64,177	7,474	6,109	11,629	21,159	56,285	76,901	100,614
June.....	42,533	62,265	5,433	5,792	12,795	22,958	46,488	65,458	87,117
July.....	49,053	67,412	3,718	7,516	7,575	25,098	53,657	71,647	94,036
Aug.....	301,430	56,191	3,338	8,360	13,265	28,000	62,820	75,912	91,923
Sept.....	37,142	43,892	2,683	7,346	11,619	94,397	69,565	69,899	85,108
Oct.....	47,909	41,352	2,310	5,564	10,899	33,535	74,708	87,167	94,284
Nov.....	44,444	36,799	1,842	4,411	12,106	42,567	63,978	73,737	75,024
Dec.....	47,162	41,006	1,891	1,673	15,052	21,222	69,453	67,690	70,282
Total.....	559,150	640,697	77,422	62,469	121,269	350,932	625,249	879,132	1,035,174

## Total Cars and Trucks

	1940	1941	1942	1943	1944	1945	1946	1947	1948
Jan.....	305,242	348,388	87,959	12,453	16,353	17,920	724,367	271,540	344,464
Feb.....	265,354	349,825	29,488	14,550	12,248	18,254		278,085	324,107
Mar.....	364,661	481,809	49,120	31,043	13,196	17,106		344,058	406,456
Apr.....	408,085	552,696	31,148	31,694	16,463	15,161	724,367	375,374	438,723
May.....	396,291	578,655	37,174	31,211	19,849	21,802		363,620	356,252
June.....	361,148	505,735	28,832	26,053	20,169	23,546		335,321	334,043
July.....	364,299	459,207	28,855	26,031	12,280	25,378	226,618	334,814	385,242
Aug.....	258,503	302,786	30,009	25,938	16,746	30,961	262,136	340,778	409,711
Sept.....	185,143	169,185	21,358	22,471	14,077	97,357	288,846	321,554	381,447
Oct.....	338,404	206,837	16,067	19,371	13,422	33,535	299,888	368,595	375,726
Nov.....	345,874	201,546	11,668	16,388	14,700	74,567	294,402	332,671	388,254
Dec.....	382,051	215,194	10,435	11,071	17,496	47,222	344,188	379,953	381,701
Total.....	3,975,055	4,371,863	382,113	268,274	186,999	422,809	2,440,445	4,046,363	4,526,126

SOURCES: 1940 through February, 1942, and 1946 and later years are new motor vehicle registrations as compiled by R. L. Polk and Company. Passenger car data from March, 1942 through July, 1945 are from OPA and represent new car releases to civilian users. Commercial car data from April, 1942 through July, 1945 are from WPB and ODT and represent certificates of transfer issued to civilian users, excluding government exemption permits. Data from August, 1945 through December, 1945 are estimated by AMA.



# Most Passenger Cars Sold in N.Y., Trucks in Texas

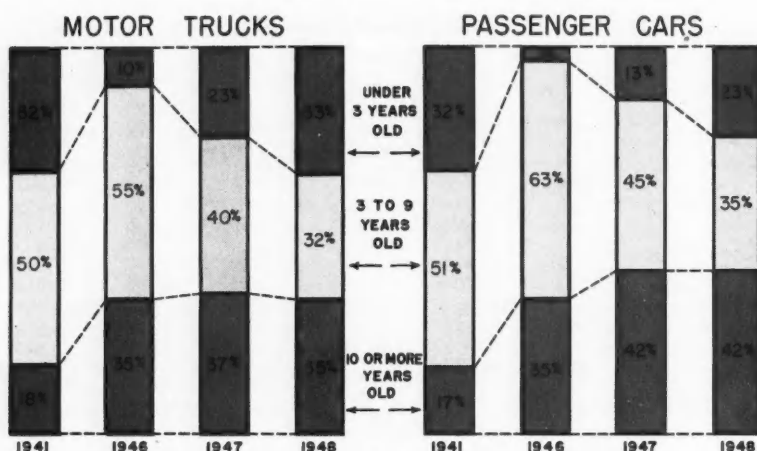
## New Motor Vehicle Registrations

	Passenger Cars		Motor Trucks		Total	
	1947	1948	1947	1948	1947	1948
Ala.....	35,508	40,432	17,615	22,309	53,123	62,741
Ariz.....	10,655	12,994	4,811	6,042	15,466	19,036
Ark.....	19,786	21,319	14,563	18,289	34,349	39,608
Calif.....	253,341	272,209	58,653	64,009	311,994	336,218
Colo.....	25,958	27,942	9,490	12,285	35,448	40,227
Conn.....	48,782	50,745	8,665	9,903	57,447	60,648
Dela.....	8,846	9,996	2,733	3,238	11,579	13,234
Fla.....	49,009	53,746	18,383	19,557	67,392	73,303
Ga.....	53,432	59,703	20,499	28,207	73,931	87,910
Idaho.....	12,093	14,554	6,110	8,258	18,203	22,812
Ill.....	218,536	241,231	45,457	52,646	263,993	293,877
Ind.....	97,223	101,128	25,755	27,196	122,978	128,324
Iowa.....	54,837	68,947	20,835	26,358	75,672	95,305
Kan.....	40,864	48,970	16,957	22,246	57,821	71,216
Ky.....	38,144	43,082	17,193	22,170	55,337	65,252
La.....	35,525	44,925	12,653	16,061	48,178	60,986
Me.....	15,690	17,298	7,683	7,497	23,373	24,795
Md.....	48,034	52,762	12,412	13,267	60,446	66,029
Mass.....	97,447	102,244	17,695	17,878	115,142	120,122
Mich.....	246,973	250,853	33,553	39,568	280,526	290,421
Minn.....	60,567	76,781	17,108	23,996	77,675	100,777
Miss.....	26,382	28,242	15,264	18,093	41,646	46,335
Mo.....	84,905	93,266	27,631	31,611	112,536	124,877
Mont.....	15,300	18,014	8,243	10,453	23,543	28,467
Neb.....	28,654	35,234	12,082	16,664	40,736	51,898
Nev.....	4,597	5,028	1,373	1,654	5,970	6,682
N. H.....	10,790	10,539	3,749	3,838	14,539	14,377
N. J.....	106,585	116,945	22,604	25,219	129,189	142,164
N. M.....	8,969	10,897	4,952	6,082	13,921	16,979
N. Y.....	308,710	338,254	56,259	62,446	364,969	400,700
N. C.....	54,756	59,584	24,445	28,054	79,201	87,638
N. D.....	11,894	13,359	6,151	8,283	18,045	21,642
Ohio.....	215,359	220,248	45,336	47,755	260,695	268,003
Okla.....	39,119	44,942	18,392	22,544	57,511	67,486
Ore.....	34,121	39,655	12,184	15,560	46,305	55,215
Pa.....	228,733	257,764	52,586	60,271	281,319	318,035
R. I.....	18,261	19,816	3,495	4,600	21,756	24,416
S. C.....	28,705	30,599	11,194	12,536	39,899	43,135
S. D.....	10,808	14,338	5,549	7,872	16,357	22,210
Tenn.....	59,732	60,141	23,206	26,756	82,938	86,897
Texas.....	139,780	168,379	55,182	67,737	194,962	236,116
Utah.....	12,278	13,874	4,612	5,968	16,890	19,842
Vt.....	8,164	8,991	3,946	4,294	12,110	13,285
Va.....	67,435	73,515	22,555	23,530	89,990	97,045
Wash.....	47,711	54,109	13,780	18,054	61,491	72,163
W. Va.....	22,882	25,098	9,019	12,082	31,901	37,180
Wis.....	71,116	84,224	19,729	23,398	90,845	107,622
Wyo.....	7,049	8,766	3,492	4,853	10,541	13,619
D. of C.....	23,186	25,270	3,299	3,987	26,485	29,257

**Total... 3,167,231 3,490,952 879,132 1,035,174 4,046,363 4,526,126**

SOURCE: R. L. Polk and Company.

## 42% of Cars in Use Are 10 Years of Age or Over



**Number and Percent of Passenger Cars in Use  
Classified by Age Groups as of July 1st:**

Age in Years①	1941			1947			1948		
	Number (000)	Percent Simple	Cum.	Number (000)	Percent Simple	Cum.	Number (000)	Percent Simple	Cum.
Under 1.....	3,240	11.8	100.0	1,367	5.0	100.0	1,673	5.6	100.0
1-2.....	3,112	11.3	88.2	2,056	7.5	95.0	3,100	10.4	94.4
2-3.....	2,402	8.7	76.8	0	0	87.5	2,048	6.9	84.0
3-4.....	1,733	6.3	68.1	0	0	87.5	0	0	77.1
4-5.....	3,481	12.7	61.8	0	0	87.5	0	0	77.1
5-6.....	3,175	11.6	49.2	1,065	3.9	87.5	0	0	77.1
6-7.....	2,139	7.8	37.7	4,086	15.0	83.6	1,012	3.4	77.1
7-8.....	1,591	5.8	29.8	3,113	11.4	68.6	4,004	13.5	73.7
8-9.....	1,120	4.1	24.1	2,379	8.7	57.2	3,093	10.4	60.2
9-10.....	735	2.7	20.0	1,679	6.2	48.4	2,345	7.9	49.8
10-11.....	1,211	4.4	17.3	3,304	12.1	42.3	1,662	5.6	41.9
11-12.....	1,205	4.4	12.9	2,790	10.2	30.2	3,186	10.7	36.3
12-13.....	1,278	4.6	8.5	1,592	5.8	20.0	2,657	9.0	25.6
13-14.....	561	2.0	3.9	967	3.5	14.1	1,490	5.0	16.6
14-15.....	502*	1.8*	1.8*	568	2.1	10.6	886	3.0	11.6
15-16.....	—	—	—	346	1.3	8.5	509	1.7	8.6
16-17.....	—	—	—	596	2.2	7.2	317	1.1	6.9
17 and Older..	—	—	—	1,377	5.0	5.0	1,732	5.8	5.8
Sub-total.....	27,485	100.0	—	27,285	100.0	—	29,715	100.0	—
Year not given.	215	—	—	236	—	—	253	—	—
<b>TOTALS.....</b>	<b>27,700</b>	<b>—</b>	<b>—</b>	<b>27,521</b>	<b>—</b>	<b>—</b>	<b>29,968</b>	<b>—</b>	<b>—</b>

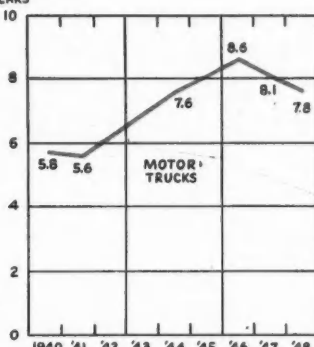
①—Each class interval includes the lower, but not the higher, age given.

\* Includes cars in older age groups.

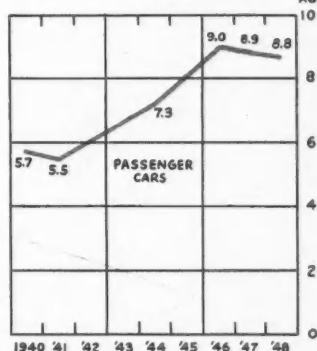
SOURCE: R. L. Polk & Company.

## Cars in Use Are 8.8 Years Old, Trucks 7.8

AGE IN  
YEARS



AGE



### Number and Percent of Motor Trucks in Use Classified by Age Groups as of July 1st:

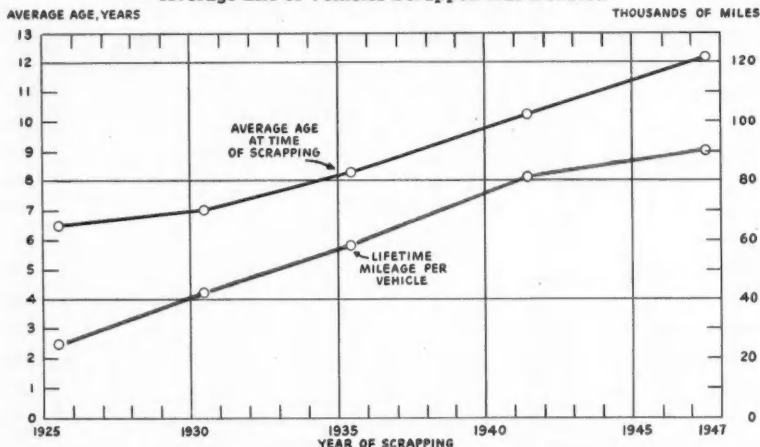
Age in Years ①	1941			1947			1948		
	Number (000)	Percent Simple	Cum.	Number (000)	Percent Simple	Cum.	Number (000)	Percent Simple	Cum.
Under 1.....	467	10.4	100.0	367	6.3	100.0	525	8.1	100.0
1-2.....	552	12.3	89.6	786	13.4	93.7	833	12.8	91.9
2-3.....	438	9.8	77.3	188	3.2	80.2	770	11.8	79.1
3-4.....	334	7.5	67.5	90	1.5	77.0	186	2.9	67.3
4-5.....	553	12.3	60.0	25	0.4	75.5	85	1.3	64.4
5-6.....	515	11.5	47.7	310	5.3	75.0	26	.4	63.1
6-7.....	332	7.4	36.2	690	11.8	69.7	297	4.6	62.7
7-8.....	249	5.6	28.8	511	8.7	57.9	662	10.2	58.1
8-9.....	124	2.8	23.2	405	6.9	49.2	491	7.5	47.9
9-10.....	90	2.0	20.4	302	5.2	42.3	386	5.9	40.4
10-11.....	163	3.6	18.4	496	8.5	37.1	286	4.4	34.5
11-12.....	164	3.7	14.8	452	7.7	28.6	462	7.1	30.1
12-13.....	202	4.5	11.1	282	4.8	20.9	418	6.4	23.0
13-14.....	103	2.3	6.6	202	3.5	16.1	257	3.9	16.6
14 and Older..	192	4.3	4.3	738	12.6	12.6	828	12.7	12.7
Sub-total.....	4,479	100.0	—	5,847	100.0	—	6,512	100.0	—
Year not given.	73	—	—	85	—	—	93	—	—
<b>TOTALS.....</b>	<b>4,552</b>	<b>—</b>	<b>—</b>	<b>5,932</b>	<b>—</b>	<b>—</b>	<b>6,605</b>	<b>—</b>	<b>—</b>

①—Each class interval includes the lower, but not the higher age given.

SOURCE: R. L. Polk & Company.

# Lifetime Motor Vehicle Mileage Quadrupled Since 1925

Average Life of Vehicles Scrapped Has Doubled



## Average Life of Motor Vehicles Scrapped and Life-Time Mileage

Year of scrapping.....	1925	1930	1935	1941	1947*
Average life of vehicles.....	6.5	7.0	8.3	10.2	12.25
scrapped in year indicated.....					
Accumulated mileage during lifetime.....	25,750	41,500	58,000	81,350	103,000

\*Adequate data are not available as yet to compute similar averages for 1948.

SOURCE: Automobile Manufacturers Association.

## Scrapage Still Below Pre-War Levels

### Estimated Motor Vehicles Scrapped

	Passenger Cars	Trucks & Buses	Total		Passenger Cars	Trucks & Buses	Total
1929 ...	2,619,000	283,000	2,902,000	1939 ...	2,372,000	387,000	2,759,000
1930 ...	2,481,000	337,000	2,818,000	1940 ...	1,528,000	513,000	2,041,000
1931 ...	2,558,000	407,000	2,965,000	1941 ...	1,854,000	375,000	2,229,000
1932 ...	1,709,000	240,000	1,949,000	1942* ...	459,000	65,000	524,000
1933 ...	1,098,000	231,000	1,329,000	1943* ...	459,000	65,000	524,000
1934 ...	2,016,000	314,000	2,330,000	1944* ...	459,000	65,000	524,000
1935 ...	1,841,000	317,000	2,158,000	1945* ...	459,000	65,000	524,000
1936 ...	2,355,000	414,000	2,769,000	1946 ...	668,000	231,000	898,000
1937 ...	2,032,000	362,000	2,394,000	1947 ...	1,123,000	434,000	1,657,000
1938 ...	1,728,000	338,000	2,066,000	1948** ...	1,500,000	480,000	1,980,000

\* Data shown for 1942 through 1945 represents the annual average scrapage over the four war years. The actual computations for the individual years give unrealistic scrapage estimates because of cars being placed in storage during the war and put into service at the end of the war, with the result that apparent scrapage in 1942 was too high, and in 1944 and 1945 the number of vehicles registered increased in number greater than the number of new vehicles sold.

\*\* Preliminary.

Formula—Scrapage was estimated by subtracting factory sales to U. S. domestic market in a given year (1947, for example) from total registrations, passenger cars and motor trucks, respectively, at the end of that year. The remainder, representing used vehicles carried over from the preceding year (1946) and registered in the given year (1947), was subtracted from the total registrations at the end of the preceding year (1946). This difference represents the number of vehicles which either were scrapped in 1946 or were not re-registered in 1947. 1946 and 1947 domestic market data was adjusted for surplus military vehicles sold for civilian use.

SOURCE: Estimated by Automobile Manufacturers Association from registration data of U. S. Public Roads Administration; U. S. Department of Commerce domestic market factory sales data, and since 1939 of Automobile Manufacturers Association.

# Motor Vehicle Registrations in United States

Year Dec. 31	Passenger Cars	Buses ①	Trucks		Total
			Number	% of Total	
1895.....	4	—	—	—	4
1896.....	16	—	—	—	16
1897.....	80	—	—	—	80
1898.....	800	—	—	—	800
1899.....	3,200	—	—	—	3,200
1900.....	8,000	—	—	—	8,000
1901.....	14,800	—	—	—	14,800
1902.....	23,000	—	—	—	23,000
1903.....	32,920	—	—	—	32,920
1904.....	54,590	—	700	1.3	55,290
1905.....	77,400	—	1,400	1.8	78,800
1906.....	105,900	—	2,200	2.0	108,100
1907.....	140,300	—	2,900	2.0	143,200
1908.....	194,400	—	4,000	2.0	198,400
1909.....	305,950	—	6,050	1.9	312,000
1910.....	458,377	—	10,123	2.2	468,500
1911.....	618,727	—	20,773	3.2	639,500
1912.....	901,596	—	42,404	4.5	944,000
1913.....	1,190,393	—	67,667	5.4	1,258,060
1914.....	1,664,003	—	99,015	5.6	1,763,018
1915.....	2,332,426	—	158,506	6.4	2,490,932
1916.....	3,367,889	—	250,048	6.9	3,617,937
1917.....	4,727,468	—	391,057	7.6	5,118,525
1918.....	5,554,952	—	605,496	9.8	6,160,448
1919.....	6,679,133	—	897,755	11.8	7,576,888
1920.....	8,131,522	—	1,107,639	12.0	9,239,161
1921.....	9,212,158	—	1,281,508	12.2	10,493,666
1922.....	10,704,076	—	1,569,523	12.8	12,273,599
1923.....	13,253,019	—	1,849,086	12.2	15,102,105
1924.....	15,436,102	—	2,176,838	12.4	17,612,940
1925.....	17,439,701	17,808	2,483,215	12.5	19,940,724
1926.....	19,220,885	24,320	2,807,384	12.7	22,052,589
1927.....	20,142,120	27,659	2,969,780	12.8	23,139,559
1928.....	21,308,159	31,982	3,171,542	12.9	24,511,683
1929.....	23,060,421	33,999	3,408,088	12.9	26,502,508
1930.....	22,972,745	40,507	3,518,747	13.3	26,531,999
1931.....	22,330,402	41,880	3,489,756	13.5	25,862,038
1932.....	20,832,357	43,476	3,256,776	13.5	24,132,609
1933.....	20,586,284	44,918	3,245,505	13.6	23,876,707
1934.....	21,472,078	51,530	3,430,396	13.7	24,954,004
1935.....	22,494,884	58,994	3,675,865	14.0	26,229,743
1936.....	24,108,236	62,618	4,001,464	14.2	28,172,318
1937.....	25,390,773	66,166	4,249,219	14.3	29,706,158
1938.....	25,167,030	65,198	4,210,477	14.3	29,442,705
1939.....	26,139,526	68,859	4,406,702	14.4	30,615,087
1940.....	27,372,397	72,641	4,590,386	14.3	32,035,424
1941.....	29,524,101	85,800	4,859,244	14.1	34,472,145
1942.....	27,868,746	102,093	4,608,086	14.1	32,578,925
1943.....	25,912,730	106,702	4,480,176	14.7	30,499,608
1944.....	25,466,331	106,518	4,513,340	15.0	30,086,189
1945.....	25,691,434	112,253	4,834,742	15.8	30,638,429
1946.....	28,100,186	119,937	5,725,692	16.9	33,945,817
1947.....	30,718,852	128,983	6,512,628	17.4	37,360,463
1948.....	33,261,454	133,430	7,227,380	17.8	40,622,264

## Tax-Exempt Publicly-Owned Vehicles Not Included in Above Registrations

Year	Passenger Cars	Buses ①	Motor Trucks	Not Classified	Total
1937.....	65,461	10,888	195,111	64,612	336,072
1938.....	68,255	22,937	208,382	67,696	367,230
1939.....	68,342	18,746	228,428	79,267	394,783
1940.....	72,677	28,916	248,678	77,225	427,496
1941*.....	74,665	30,953	210,150	66,061	381,829
1942.....	107,513	37,181	278,981	—	423,675
1943.....	95,343	45,622	246,561	—	387,526
1944.....	100,133	46,074	246,910	—	393,117
1945.....	102,059	49,872	245,060	—	396,991
1946.....	113,148	53,648	260,389	—	427,185
1947.....	126,498	58,474	296,063	—	481,035
1948.....	136,989	64,123	327,950	—	529,062

\*Excludes Military Vehicles from 1941 to date.

①Incomplete. Publicly owned buses, shown in table at bottom of this page, should be added to arrive at a more complete count of buses in use in U. S. Even combined tables are incomplete prior to 1942 because many states did not segregate buses from passenger cars or trucks in earlier years.

SOURCE: U. S. Public Roads Administration 1900 to date. Prior to 1900 estimated by Automobile Manufacturers Association.

# 1948 Car, Truck and Bus Registrations by States

	PRIVATELY OWNED				PRIVATELY AND PUBLICLY* OWNED			
	Passenger Cars	Buses	Motor Trucks	Total	Passenger Cars	Buses	Motor Trucks	Total
Ala.....	391,704	3,859	137,511	533,074	393,411	5,623	142,959	541,993
Ariz.....	161,547	813	48,637	210,997	163,281	1,306	52,115	261,702
Ark.....	256,527	1,276	124,630	382,433	257,227	2,641	129,542	389,410
Calif.....	3,194,226	6,801	547,280	3,748,307	3,211,135	7,618	580,060	3,798,813
Colo.....	354,748	1,349	106,239	462,336	356,281	1,930	111,334	469,545
Conn.....	536,867	2,737	85,875	625,479	539,617	2,830	89,606	632,053
Del.....	68,240	512	18,304	87,056	68,825	521	18,970	88,316
Fla.....	616,432	2,837	151,666	770,935	618,980	4,634	158,821	782,435
Ga.....	540,984	3,641	163,192	707,817	542,480	5,052	168,755	716,287
Idaho.....	156,979	258	60,332	217,569	157,780	703	63,500	221,983
Ill.....	1,899,305	3,143	302,618	2,205,066	1,905,040	3,803	314,110	2,222,953
Ind.....	1,059,447	8,530	227,480	1,295,457	1,062,304	9,484	233,036	1,304,824
Iowa.....	734,281	1,222	151,695	887,198	731,046	3,451	158,258	897,755
Kan.....	570,705	601	178,459	749,765	572,607	1,294	184,248	758,149
Ky.....	468,901	3,194	136,727	608,822	470,299	3,806	142,295	616,400
La.....	390,663	3,471	118,455	512,589	392,873	3,919	121,809	518,601
Maine.....	187,132	647	60,938	248,717	187,898	845	63,127	251,870
Md.....	469,500	4,188	95,394	569,082	471,758	4,344	97,903	574,005
Mass.....	943,329	5,724	149,740	1,098,793	946,498	5,765	159,096	1,111,359
Mich.....	1,741,613	4,200	233,516	1,979,329	1,747,275	7,206	251,468	2,005,949
Minn.....	798,144	2,466	167,868	968,478	799,993	3,917	173,564	977,474
Miss.....	263,239	2,354	125,381	390,974	264,037	4,129	129,557	397,723
Mo.....	876,882	4,640	222,608	1,104,130	878,636	5,539	228,054	1,112,229
Mont.....	145,800	834	69,159	215,793	147,136	991	73,095	221,222
Neb.....	394,306	894	108,615	503,815	395,949	1,153	112,564	509,666
Nev.....	47,328	246	13,425	60,999	47,925	347	14,951	63,223
N. H.....	119,611	585	36,779	156,975	120,330	591	39,566	160,487
N. J.....	1,112,470	5,989	199,260	1,317,719	1,117,343	5,993	208,580	1,331,916
N. M.....	126,458	1,722	45,438	173,618	127,612	1,855	48,791	178,258
N. Y.....	2,721,884	11,249	422,758	3,155,891	2,733,613	16,568	444,891	3,195,072
N. C.....	659,725	2,941	169,040	831,706	662,209	9,009	177,139	848,357
N. D.....	162,796	250	70,498	233,544	163,394	338	72,011	235,743
Ohio.....	2,096,623	3,629	296,296	2,396,548	2,102,298	11,855	309,111	2,423,264
Okla.....	508,318	1,981	162,941	673,240	510,215	5,180	168,070	683,465
Ore.....	448,545	1,496	114,736	564,777	451,451	2,667	120,213	574,331
Pa.....	2,131,326	9,112	402,194	2,542,632	2,140,439	9,917	420,436	2,570,792
R. I.....	190,452	713	30,884	222,049	191,264	771	32,209	224,244
S. C.....	381,152	2,389	93,001	476,542	382,207	3,995	98,377	484,579
S. D.....	185,953	305	60,163	246,421	186,693	448	62,518	249,659
Tenn.....	518,604	2,716	139,020	660,340	521,438	4,199	146,885	672,522
Texas.....	1,774,498	5,397	492,075	2,271,970	1,780,848	11,829	508,961	2,301,638
Utah.....	164,538	585	39,990	205,113	165,481	1,061	42,366	208,908
Vt.....	95,407	445	14,821	110,673	95,667	447	15,489	111,603
Va.....	610,301	2,994	145,002	758,297	614,876	4,728	149,406	769,010
Wash.....	623,913	1,497	146,318	771,728	629,073	3,765	158,388	791,226
W. Va.....	302,356	1,624	95,511	399,391	304,107	2,894	99,146	406,147
Wis.....	829,100	2,547	196,503	1,028,150	830,961	3,502	207,572	1,042,035
Wyo.....	82,431	744	29,645	112,820	83,215	989	31,739	115,943
D. of C.....	146,164	2,083	18,763	167,010	148,418	2,101	20,669	171,188
Total..	33,261,454	133,430	7,227,380	40,622,264	33,398,443	197,553	7,555,330	41,151,326

\* Includes vehicles owned by federal, state, county and municipal governments. Does not include vehicles owned by War, Navy, and Maritime Commission.

SOURCE: U. S. Public Roads Administration, Tables MV-1 and MV-7.

# 36% of U.S. Passenger Cars Are in 5 Top States

California's 580,000 Gain in Car Use Since 1941 Exceeds  
Total Cars Registered in 6 Smallest States

Rank	1948 Passenger Car Registrations		Change In Passenger Car Registrations 1941 to 1948		Change In Civilian Population 1941-1948		Civilian Population Per Passenger Car, 1948			
			NUMBER	PERCENT		PERCENT				
1	Cal.	3,194,226	Cal.	580,120	Aris.	+37.6	Ore.	+48.4	Nev.	3.0
2	N. Y.	2,721,884	Texas	333,902	Fla.	+34.4	Cal.	+38.7	Cal.	3.1
3	Pa.	2,131,326	N. Y.	211,715	Utah	+31.0	Wash.	+38.0	Colo.	3.3
4	Ohio	2,096,623	Mich.	201,388	N. M.	+30.2	Aris.	+29.7	Neb.	3.3
5	Ill.	1,899,305	Ohio	178,094	Ore.	+27.0	Nev.	+21.4	Wyo.	3.3
6	Texas	1,774,498	Fla.	157,745	Va.	+26.4	D. C.	+18.8	Idaho	3.4
7	Mich.	1,741,613	Ind.	131,048	Texas	+23.1	Fla.	+17.8	Kan.	3.4
8	N. J.	1,112,470	Va.	127,463	Nev.	+23.0	Utah	+17.8	N. D.	3.4
9	Ind.	1,059,447	Pa.	121,209	Cal.	+22.2	Conn.	+15.9	S. D.	3.4
10	Mass.	943,329	Wash.	103,314	Tenn.	+22.1	Mich.	+14.6	Mont.	3.5
11	Mo.	876,882	N. C.	97,708	Ark.	+20.7	Md.	+13.1	Iowa	3.6
12	Wisc.	829,100	Ore.	95,332	Wash.	+19.8	Ind.	+13.0	Mich.	3.6
13	Minn.	798,144	Tenn.	93,693	Miss.	+19.2	Ohio	+12.6	Ore.	3.6
14	Iowa	734,281	N. J.	93,315	Ala.	+18.4	N. J.	+11.8	Conn.	3.7
15	N. C.	699,725	Mass.	92,981	Ga.	+17.4	N. H.	+11.6	Ind.	3.7
16	Wash.	633,913	Ga.	80,197	N. C.	+17.4	Kan.	+11.0	Minn.	3.7
17	Fla.	616,432	Ill.	75,421	Idaho	+16.7	Texas	+9.9	Ohio	3.7
18	Va.	610,301	Kan.	67,567	Wyo.	+16.1	Wyo.	+9.6	Fla.	3.8
19	Kan.	570,705	Conn.	66,301	Col.	+15.7	Del.	+9.2	R. I.	3.9
20	Ga.	540,984	Ala.	60,977	Conn.	+14.1	Ill.	+8.9	Vt.*	3.9
21	Conn.	536,867	Mo.	56,802	Ind.	+14.1	Pa.	+8.4	Utah	4.0
22	Tenn.	518,604	Ky.	54,056	S. C.	+13.8	Mass.	+8.3	Wash.	4.0
23	Okla.	508,318	Colo.	48,162	Kan.	+13.4	N. Y.	+8.3	Wis.	4.0
24	Md.	469,500	S. C.	46,268	La.	+13.3	Va.	+7.5	Aris.	4.1
25	Ky.	468,901	La.	45,716	Mich.	+13.1	Maine	+7.1	Texas	4.1
26	Ore.	448,545	Aris.	44,170	Ky.	+13.0	N. M.	+6.7	N. J.	4.3
27	Neb.	394,306	Ark.	44,005	Neb.	+11.3	Minn.	+6.6	Del.	4.4
28	Ala.	391,704	Miss.	42,432	Mass.	+10.9	Tenn.	+6.6	Mo.	4.5
29	La.	390,663	Md.	40,736	S. D.	+10.9	Wis.	+5.3	N. M.	4.5
30	S. C.	381,152	Neb.	40,030	Md.	+9.5	Vt.	+5.1	Ill.	4.6
31	Colo.	354,748	Utah	38,905	Vt.*	+9.5	Iowa	+4.8	Md.	4.6
32	W. Va.	302,356	Wis.	35,206	Ohio	+9.3	La.	+4.6	N. H.	4.6
33	Miss.	263,239	Okla.	31,752	N. J.	+9.2	Colo.	+4.0	Okla.	4.6
34	Ark.	256,527	N. M.	29,331	N. H.	+8.7	Mo.	+3.7	Maine	4.8
35	R. I.	190,452	Minn.	25,436	N. Y.	+8.4	Idaho	+3.3	Mass.	5.0
36	Maine	187,132	W. Va.	22,656	W. Va.	+8.1	R. I.	+3.3	Pa.	5.0
37	S. D.	185,953	Idaho	22,506	N. D.	+7.1	Okla.	+3.1	Va.	5.0
38	Utah	164,538	Iowa	19,673	R. I.	+7.1	N. C.	+2.6	S. C.	5.2
39	N. D.	162,796	S. D.	18,298	Mo.	+6.9	Neb.	+1.5	N. Y.	5.3
40	Aris.	161,547	R. I.	12,672	Okla.	+6.7	W. Va.	+1.1	N. C.	5.6
41	Idaho	156,979	Wyo.	11,414	Maine	+6.1	S. C.	+4	Ga.	5.8
42	D. C.	146,164	N. D.	10,819	Pa.	+6.0	S. D.	+3	Ky.	6.0
43	Mont.	145,800	Maine	10,811	Del.	+5.5	Ky.	— .1	Tenn.	6.1
44	N. M.	126,458	N. H.	9,613	Wis.	+4.4	Ala.	— 1.5	D. C.	6.1
45	N. H.	119,611	Nev.	8,848	Ill.	+4.1	Ga.	— 1.9	W. Va.	6.3
46	Vt.*	95,407	Vt.*	8,276	Minn.	+3.3	Ark.	— 3.0	La.	6.6
47	Wyo.	82,431	Del.	3,578	Iowa	+2.8	Miss.	— 4.8	Ala.	7.3
48	Del.	68,240	Mont.	— 1,486	Mont.	— 1.4	Mont.	— 6.4	Ark.	7.5
49	Nev.	44,447	D. C.	— 12,452	D. C.	— 7.9	N. D.	— 9.8	Miss.	8.1
TOTAL U.S.		33,261,484	3,737,383	+12.7		+9.8			4.4	

\*Includes Trucks under 1500 Capacity.

# Leading Automobile Markets Average

1948 Motor Vehicle Registrations in 95

County, Principal City, State	REGISTRATIONS, JULY 1, 1948		Population Jan. 1 1949**	Number of Families Jan. 1 1949**	Persons per Pass'ger Car	Families per Pass'ger Car
	Pass'ger Cars*	Trucks*				
S Boroughs, New York, N.Y.	841,117	136,265	8,042,900	2,331,500	9.6	2.8
Cook, Chicago, Ill.	787,593	103,656	4,522,700	1,338,500	5.7	1.7
Los Angeles (1), Los Ang., Cal.	1,270,831	148,759	3,856,000	1,254,500	3.0	1.0
Wayne, Detroit, Mich.	609,743	65,678	2,535,000	702,200	4.2	1.2
Philadelphia, Phila., Pa.	260,504	52,580	2,136,000	596,100	8.1	2.3
Allegheny, Pittsburgh, Pa.	240,137	40,155	1,519,000	411,700	6.3	1.7
Cuyahoga, Cleveland, Ohio.	329,033	39,006	1,426,600	420,200	4.3	1.3
St. Louis, St. Louis, Mo.	242,942	41,433	1,378,400	363,900	5.3	1.5
Baltimore, Baltimore, Md.	194,611	34,527	1,177,000	325,100	6.0	1.7
Middlesex (1), Lowell, Mass.	200,618	28,573	1,071,000	286,600	5.3	1.4
Essex, Newark, N.J.	182,290	37,082	930,100	260,200	5.1	1.4
Suffolk, Boston, Mass.	110,608	25,354	914,000	251,800	8.2	2.3
Erie, Buffalo, N. Y.	206,452	27,615	884,800	245,100	4.6	1.2
Washington, D. C.	134,293	20,011	873,900	238,800	6.5	1.8
Milwaukee, Milwaukee, Wis.	174,135	21,833	864,900	248,700	5.0	1.4
San Francisco, San Francisco, Cal.	179,426	33,994	794,000	279,200	4.4	1.6
Harris, Houston, Texas	160,898	32,177	752,400	220,900	4.7	1.4
Hudson, Jersey City, N. J.	89,378	16,739	738,800	206,700	8.3	2.3
Hamilton, Cincinnati, Ohio.	140,527	22,088	733,000	230,300	5.2	1.6
Alameda (1), Oakland, Cal.	202,982	25,178	703,800	229,100	3.5	1.1
King, Seattle, Wash.	182,815	30,476	679,300	235,400	3.7	1.3
Hennepin, Minneapolis, Minn.	155,296	21,646	649,100	198,600	4.2	1.3
Westchester, Yonkers, N. Y.	143,356	15,977	603,800	167,300	4.2	1.2
Orleans, New Orleans, La.	77,324	17,373	573,800	167,900	7.4	2.2
DeKalb-Fulton, Atlanta, Ga.	113,097	23,951	573,200	168,100	5.1	1.5
Providence, Providence, R. I.	123,660	21,666	570,400	161,600	4.6	1.3
Dallas, Dallas, Texas	132,603	27,597	560,000	169,700	4.2	1.3
New Haven (1), New Haven, Conn.	113,693	22,918	559,300	157,000	4.9	1.4
San Diego, San Diego, Cal.	139,444	18,343	553,600	187,200	4.0	1.3
Marion, Indianapolis, Ind.	128,388	25,180	547,300	170,200	4.3	1.3
Jackson, Kansas City, Mo.	115,866	19,924	547,100	183,900	4.7	1.6
Hartford, Hartford, Conn.	127,416	20,835	545,300	153,000	4.3	1.2
Worcester, Worcester, Mass.	108,297	18,492	540,000	148,800	5.0	1.4
Jefferson, Birmingham, Ala.	72,372	18,073	535,100	148,700	7.4	2.0
Multnomah, Portland, Ore.	132,897	22,391	535,000	184,000	4.0	1.4
Essex, Lynn-Lawrence, Mass.	101,092	14,022	530,000	150,500	5.2	1.5
Fairfield, Bridgeport, Conn.	127,253	18,927	503,200	141,300	4.0	1.1
Jefferson, Louisville, Ky.	83,598	16,603	478,600	142,800	5.7	1.7
Nassau, Hempstead, N. Y.	161,827	15,832	474,400	131,400	2.9	.8
Franklin, Columbus, Ohio	116,607	19,889	468,200	137,900	4.0	1.2
Monroe, Rochester, N. Y.	120,289	14,379	465,400	137,000	3.9	1.1
Bergen, Garfield-Hackack, N. J.	124,243	15,202	465,000	130,100	3.7	1.0
Luzerne, Wilkes-Barre, Pa.	62,451	12,789	435,000	105,900	7.0	1.7
Bexar, San Antonio, Texas	78,643	16,660	422,400	124,000	5.4	1.6
Summit, Akron, Ohio	103,151	13,367	420,600	120,200	4.1	1.2
Shelby, Memphis, Tenn.	67,965	13,868	420,400	127,100	6.2	1.9
Mahoning-Trumbull, Yngstn., Ohio	94,088	12,713	415,800	108,200	4.4	1.1
Dade, Miami, Fla.	131,505	21,232	410,000	129,700	3.1	1.0
Denver, Denver, Colo.	103,287	18,038	405,000	131,300	3.9	1.3
Norfolk (1), Norfolk, Va.	56,007	9,496	395,000	103,200	7.1	1.8
Delaware, Chester, Pa.	79,598	7,988	395,000	107,000	5.0	1.3
Bristol, Fall Riv.-N. Bedford, Mass.	73,307	11,791	385,000	109,400	5.3	1.5
Union, Elizabeth, N. J.	91,108	11,260	384,000	104,300	4.2	1.1
Lucas, Toledo, Ohio	102,959	11,822	380,200	115,600	3.7	1.1
Norfolk, Quincy, Mass.	89,099	8,955	374,600	100,300	4.2	1.1



# One Passenger Car Per Family

Counties Ranked According to Population

County, Principal City, State	REGISTRATIONS, JULY 1, 1948		Population Jan. 1 1949**	Number of Families Jan. 1 1949**	Persons per Pass'ger Car	Families per Pass'ger Car
	Pass'ger Cars*	Trucks*				
Montgomery, Dayton, Ohio...	96,812	12,359	372,000	109,600	3.8	1.1
Ramsey, St. Paul, Minn. ....	85,642	13,536	371,000	109,900	4.3	1.3
Hampden, Holyoke Sprid., Mass. ....	77,689	11,618	365,000	100,600	4.7	1.3
Lake, Gary-Hammond, Ind. ....	64,910	8,182	355,800	94,900	5.5	1.5
Tarrant, Ft. Worth, Texas ..	76,178	14,220	354,600	107,500	4.7	1.4
Passaic, Paterson, N. J. ....	69,604	11,924	345,000	99,500	4.9	1.4
Montgomery, Norrista, Pa. ....	85,135	12,019	332,100	90,000	3.9	1.1
Oklahoma, Okla. City, Okla. ....	75,163	17,659	325,500	102,500	4.3	1.4
Onondaga, Syracuse, N. Y. ....	76,800	11,936	321,800	94,700	4.2	1.2
Duval, Jacksonville, Fla. ....	55,783	12,727	300,000	83,500	5.4	1.5
Davidson, Nashville, Tenn. ....	51,403	11,469	293,500	83,300	5.7	1.6
Douglas, Omaha, Neb. ....	59,180	11,779	290,000	87,900	4.9	1.5
Stark, Canton, Ohio ....	70,371	10,687	284,900	81,400	4.0	1.2
Henrico, Richmond, W. Va. ....	55,689	12,135	282,000	78,000	5.1	1.4
Camden, Camden, N. J. ....	53,396	8,915	279,700	78,300	5.2	1.5
Kent, Gr. Rapids, Mich. ....	78,178	11,723	267,800	78,900	3.4	1.0
Lackawanna, Scranton, Pa. ....	36,945	8,506	266,900	68,500	7.2	1.9
Salt Lake, Salt Lake City, Utah ....	62,207	11,570	263,000	74,000	4.2	1.2
Genesee, Flint, Mich. ....	73,480	7,383	262,900	72,800	3.6	1.0
Sacramento, Sacramento, Cal. ....	70,988	14,249	256,400	80,800	3.6	1.1
Berks, Reading, Pa. ....	56,775	10,263	250,400	72,000	4.4	1.3
Tulsa, Tulsa, Okla. ....	60,209	13,867	247,500	75,400	4.1	1.3
Albany, Albany, N. Y. ....	48,778	11,312	236,400	71,600	4.8	1.5
Mercer, Trenton, N. J. ....	49,111	9,974	230,000	60,800	4.7	1.2
Pierce, Tacoma, Wash. ....	62,772	11,172	227,600	73,000	3.6	1.2
Knox, Knoxville, Tenn. ....	34,386	7,911	225,500	58,700	6.6	1.7
Sedgewick, Wichita, Kan. ....	56,189	12,131	225,100	72,700	4.0	1.3
Hillsborough, Tampa, Fla. ....	51,854	13,310	222,000	65,800	4.3	1.3
Polk, Des Moines, Iowa ....	47,210	9,452	218,900	68,400	4.6	1.4
Oneida, Utica-Rome, N. Y. ....	48,101	8,846	217,400	64,000	4.5	1.3
Spokane, Spokane, Wash. ....	53,840	12,492	216,200	69,300	4.0	1.3
St. Louis, Duluth, Minn. ....	44,981	9,105	209,900	62,200	4.7	1.4
Erie, Erie, Pa. ....	49,212	8,042	209,100	60,100	4.2	1.2
New Castle, Wilmington, Del. ....	42,178	7,908	206,500	58,200	4.9	1.4
Hamilton, Chattanooga, Tenn. ....	31,367	7,515	201,400	55,300	6.4	1.8
St. Joseph, So. Bend, Ind. ....	54,488	7,426	195,500	55,300	3.6	1.0
Wyandotte, Kan. City, Kan. ....	36,818	6,838	185,200	55,800	5.0	1.5
Mecklenburg, Charlotte, N. C. ....	34,829	9,972	175,000	46,200	5.0	1.3
Allen, Ft. Wayne, Ind. ....	49,468	7,093	172,400	50,300	3.5	1.0
Peoria, Peoria, Ill. ....	37,238	6,866	165,000	52,200	4.4	1.4
U. S. Total. ....	29,968,000	6,605,000	146,496,300	41,692,900	4.8	1.4

NOTE: Counties included in the above tabulation are those which make up the top 60 counties in the country, on the basis of population, plus those counties which, while not in the top 60, contain one or more city of 100,000 population or more in 1940.

①—Additional cities of 100,000 or more population (1947) are contained in the following counties: Los Angeles County, Calif.—Long Beach; Middlesex County, Mass.—Cambridge and Somerville; Alameda County, Calif.—Berkeley; New Haven County, Conn.—Waterbury.

②—Norfolk County includes the independent cities of Norfolk, South Norfolk, and Portsmouth.

SOURCE: \*—R. L. Polk and Company. \*\*—Copyright 1949, Sales Management Survey of Buying Power; further reproduction not licensed.

# 58,000,000 Motor Vehicles in

World's Registrations of Passenger Cars Gain

EUROPE	Motor Vehicles	Cars ①	Trucks ①	Buses ①	Population Per Motor Vehicle
Angolan Islands	400	—	—	—	115,343
Albania	1,750	500	1,250	②	1,003,124
Austria	57,969	26,775	29,562	1,632	6,935,000
Azores	815	666	149	②	537,009
Belgium	280,289	160,700	118,000	1,589	8,388,526
Bulgaria	9,720	4,750	4,120	850	7,048,000
Czechoslovakia	167,900	105,000	61,100	1,800	12,170,000
Denmark	158,018	107,249	48,769	2,000	4,146,000
Eire	90,902	66,976	22,963	933	2,972,000
Faroe Islands	90	—	—	—	25,744
Finland	41,931	14,256	25,628	2,047	3,906,000
France	1,715,000	985,000	730,000	③	41,500,000
Germany	504,890	199,869	298,528	6,493	67,032,242
Gibraltar	1,734	1,265	410	59	21,000
Great Britain	2,713,539	1,995,753	659,260	58,526	48,522,000
Greece	19,356	5,946	11,050	2,360	7,450,000
Holland	164,700	88,000	72,000	4,700	9,636,000
Hungary	16,209	9,112	6,606	491	3,333,000
Iceland	10,385	5,700	4,398	287	134,000
Italy	427,800	215,000	205,000	7,800	45,943,000
Luxembourg	10,274	6,320	3,825	129	289,000
Malta & Gozo	7,557	4,774	2,200	583	285,000
Monaco	1,800	—	—	—	23,973
Northern Ireland	60,736	43,252	16,151	1,333	1,348,000
Norway	108,981	59,410	45,563	4,008	3,145,000
Poland	68,965	28,200	40,765	③	23,930,000
Portugal	73,564	55,831	15,799	1,934	8,312,000
Rumania	26,110	14,560	9,608	1,942	15,873,000
Spain	135,000	56,000	79,000	③	27,503,000
Sweden	259,600	178,300	75,000	6,300	6,803,000
Switzerland	142,900	110,600	30,500	1,800	4,547,000
U. S. S. R.	3,000,000	720,000	2,250,000	30,000	211,384,985
Yugoslavia	3,345	632	2,195	518	14,800,000
<b>Total, 1948 ①</b>	<b>10,281,929</b>	<b>5,270,396</b>	<b>4,869,399</b>	<b>140,114</b>	<b>592,348,331</b>
<b>Total, 1940 ①</b>	<b>9,436,555</b>	<b>6,704,286</b>	<b>2,511,122</b>	<b>150,885</b>	<b>—</b>

## ASIA

Afghanistan	4,800	1,500	3,100	200	12,000,000	2,500
Arabia	5,636	2,623	2,893	120	10,000,000	1,774
Bahrain Island	360	—	—	—	120,000	333
British No. Borneo	151	34	48	69	270,223	1,790
Burma	7,504	4,393	1,846	1,265	14,667,146	1,955
Ceylon	40,055	27,596	9,681	2,778	6,879,000	172
China	53,000	3,000	50,000	—	462,798,093	8,732
Cyprus	5,200	2,925	2,275	①	449,490	86
French Indo-China	3,190	607	2,583	①	25,000,000	7,837
Hongkong	8,618	6,391	1,972	255	1,600,000	186
India-Pakistan	235,456	137,663	61,998	35,795	388,997,955	1,652
Indonesia	21,000	11,000	9,000	1,000	55,710,000	2,653
Iran	21,100	8,700	12,400	③	17,000,000	806
Iraq	24,000	—	—	—	4,794,449	200
Israel	16,039	7,616	6,987	1,336	1,912,000	119
Japan	140,614	20,728	110,524	9,362	79,340,000	564
Korea	10,998	1,538	9,460	—	27,200,000	2,473
Macao (Portuguese)	176	116	58	2	340,260	193
Malaya	34,555	19,487	13,563	1,505	4,124,549	119
Philippines	73,612	28,823	44,789	③	19,511,000	265
Siam	8,180	3,500	5,180	③	17,359,000	2,122
Syria & Lebanon	17,133	10,344	6,789	③	4,166,028	243
Trans-Jordan	1,300	800	500	③	400,000	308
Turkey	15,000	6,000	9,000	③	19,200,000	1,280
<b>Total, 1948 ①</b>	<b>747,677</b>	<b>305,384</b>	<b>364,646</b>	<b>53,687</b>	<b>1,178,341,250</b>	<b>1,876</b>
<b>Total, 1940 ①</b>	<b>695,738</b>	<b>427,083</b>	<b>234,337</b>	<b>32,218</b>	<b>—</b>	<b>—</b>

①—Not complete for all territories.

②—Included with trucks.

③—Detail does not add to total due to use of various sources for population estimates.

# Use in All Countries in 1948

18%, Trucks 75%, and Buses 54% Over 1940

OCEANIA	Motor Vehicles	Cars ①	Trucks ①	Buses ①	Population ②	Population Per Motor Vehicle
Australia.....	1,060,000	669,000	386,000	5,000	7,581,000	7
Cook Islands.....	94	—	—	—	18,000	191
Fiji Islands.....	2,892	1,471	1,181	240	259,640	90
Hawaii.....	115,773	89,097	25,709	987	525,477	4.5
New Caledonia.....	2,572	—	—	—	59,889	23
New Zealand.....	293,402	223,947	68,154	1,301	1,802,000	6
Niue.....	14	7	7	—	4,104	293
Samoa (American).....	178	120	13	45	17,550	99
Society Islands.....	895	700	194	—	39,920	45
Other Oceania.....	2,000	—	—	—	1,000,000	500
<b>Total, 1948 ①.....</b>	<b>1,477,820</b>	<b>984,342</b>	<b>481,289</b>	<b>7,553</b>	<b>23,796,858</b>	<b>16</b>
<b>Total, 1940 ①.....</b>	<b>1,200,808</b>	<b>887,409</b>	<b>412,799</b>	<b>②</b>	<b>—</b>	<b>—</b>
<b>AMERICA</b>						
Alaska.....	14,773	—	—	—	92,000	6
Antigua.....	592	484	89	19	34,523	58
Argentina.....	363,460	223,616	139,844	②	16,107,936	44
Bahamas.....	2,362	1,743	615	4	80,640	34
Barbados.....	3,646	2,544	1,102	②	195,400	54
Bermuda.....	2,127	1,488	594	45	34,970	16
Bolivia.....	12,586	3,727	8,392	467	3,854,000	306
Brazil.....	318,361	162,776	145,039	10,546	47,550,000	149
British Guiana.....	2,696	2,151	447	98	381,320	141
British Honduras.....	482	196	284	2	59,150	123
Canada.....	1,948,683	1,473,573	468,527	6,583	12,883,000	6.6
Chile.....	65,900	38,600	25,200	5,100	5,479,202	83
Colombia.....	59,062	31,920	20,446	6,696	10,545,000	179
Costa Rica.....	6,653	3,958	1,960	795	771,503	116
Cuba.....	73,331	44,925	24,539	3,877	5,130,000	70
Dominica.....	251	180	40	②	47,700	222
Dominican Republic.....	5,974	2,995	2,481	498	2,151,000	527
Dutch Guiana.....	1,171	749	337	85	189,484	162
Ecuador.....	8,514	3,558	4,956	②	3,400,000	399
French Guiana.....	180	—	—	—	36,975	205
Grenada.....	636	480	114	42	72,060	113
Guadeloupe.....	4,500	—	—	—	304,209	68
Guatemala.....	9,700	5,200	4,000	500	3,678,000	379
Haiti.....	3,347	2,385	630	332	3,500,000	1,046
Honduras.....	5,000	—	—	—	1,240,000	248
Jamaica.....	15,313	11,540	3,619	154	1,327,303	87
Martinique.....	4,325	2,606	1,578	141	252,000	58
Mexico.....	249,500	142,100	92,200	15,200	23,425,000	94
Montserrat.....	91	62	29	—	14,000	154
Netherlands W. I.....	6,100	—	—	—	105,617	17
Newfoundland.....	11,330	7,150	4,086	94	321,177	28
Nicaragua.....	2,266	1,443	672	151	1,136,000	501
Panama.....	23,129	18,504	4,625	②	641,000	28
Paraguay.....	2,720	1,370	1,080	300	1,225,000	450
Peru.....	40,461	22,282	16,003	2,176	7,038,809	173
Puerto Rico.....	42,916	26,732	16,184	②	2,094,000	39
St. Kitts-Nevis.....	291	198	93	—	38,000	131
St. Lucia.....	294	200	52	42	69,090	235
St. Pierre-Miquelon.....	103	27	76	②	4,175	41
St. Vincent.....	320	250	70	②	62,990	197
El Salvador.....	6,000	—	—	—	2,047,000	341
Trinidad & Tobago.....	12,194	8,717	3,322	155	558,610	46
United States.....	41,151,326	33,398,443	7,555,330	197,553	146,571,000	3.5
Uruguay.....	45,839	30,251	15,888	②	2,300,000	50
Venezuela.....	97,050	46,027	47,798	3,265	4,398,000	45
Virgin Islands.....	1,831	753	559	19	24,889	14
<b>Total, 1948 ①.....</b>	<b>44,627,350</b>	<b>38,722,903</b>	<b>8,612,530</b>	<b>254,939</b>	<b>294,056,520</b>	<b>6.6</b>
<b>Total, 1940 ①.....</b>	<b>32,916,820</b>	<b>27,678,809</b>	<b>8,122,084</b>	<b>115,927</b>	<b>—</b>	<b>—</b>

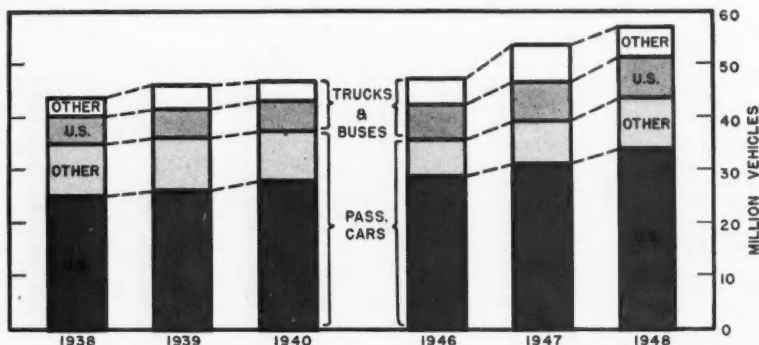
①—Not complete for all territories.

②—Included with trucks.

③—Detail does not add to total due to use of various sources for population estimates.

(Continued on next page)

# 78% of World's Cars, 52% of Trucks Are in U.S.



PASSENGER CARS				TRUCKS AND BUSES			
Year (Dec. 31)	World Total ①	U. S. Total ②	% U. S.	World Total ①	U. S. Total ②	% U. S.	
1938.....	35,411,377	25,250,711	71.3	8,365,577	4,559,224	54.5	
1939.....	36,581,316	26,225,069	71.7	8,841,095	4,784,801	54.1	
1940.....	37,184,199	27,461,060	73.9	8,973,892	5,001,860	55.7	
1946.....	35,917,863	28,213,336	78.5	10,995,823	6,200,166	56.4	
1947 ④.....	39,543,032	30,845,350	78.0	13,525,016	6,996,148	51.7	
1948 ④.....	42,842,953	33,398,443	78.0	15,038,448	7,752,883	51.6	

SOURCES: ① U. S. Department of Commerce. ② U. S. Public Roads Administration. ③ The American Automobile (Overseas Edition).

(Continued from preceding page.)

AFRICA	Motor Vehicles	Cars ①	Trucks ①	Buses ①	Population ②	Population Per Motor Vehicle
Algeria.....	61,000	30,000	31,000	③	7,234,684	119
Angola.....	10,645	7,500	3,100	45	3,738,010	351
Belgian Congo.....	20,113	8,119	11,994	③	10,425,235	518
British E. Africa.....	33,000	—	—	—	13,800,650	418
British Somaliland.....	845	50	793	2	700,000	828
British W. Africa.....	25,742	9,592	12,030	4,120	28,649,907	1,113
Canary Islands.....	5,598	3,900	1,290	408	564,273	101
Egypt.....	52,100	39,410	10,300	2,400	19,090,048	366
Eritrea.....	2,749	7,078	1,615	56	600,573	218
Ethiopia.....	6,308	3,728	2,543	37	15,000,000	2,379
French Equatorial Africa.....	9,341	1,895	7,446	—	4,003,733	429
French Somaliland.....	200	—	—	—	49,685	248
French W. Africa.....	9,754	5,000	4,700	54	15,943,000	1,635
Italian Somaliland.....	3,085	655	2,400	30	1,300,000	421
Liberia.....	653	259	387	7	1,600,000	2,446
Libya.....	500	—	—	—	888,401	1,777
Madagascar.....	9,779	4,470	5,250	59	4,227,381	432
Madeira.....	1,420	1,015	285	120	211,610	149
Mauritius.....	3,376	2,560	665	151	428,270	127
Morocco.....	37,140	21,119	16,021	③	9,082,900	244
Nyasaland.....	2,452	1,425	942	85	2,230,960	910
Portuguese East Africa.....	8,111	3,548	3,434	1,129	5,085,630	627
Reunion Island.....	2,105	1,549	524	32	220,955	105
Rhodesia.....	43,200	28,900	14,400	③	3,422,810	79
Seychelles Islands.....	247	178	69	—	35,020	142
Southwest Africa.....	10,130	5,740	4,390	③	341,450	34
Sudan.....	3,201	1,491	1,710	③	6,590,996	2,059
Tangier.....	2,037	1,492	518	27	60,000	29
Tunisia.....	16,045	10,355	5,330	360	3,015,170	188
Union of South Africa.....	467,100	365,000	98,300	3,800	11,391,950	24
<b>Total, 1948 ①.....</b>	<b>547,976</b>	<b>559,928</b>	<b>241,436</b>	<b>12,885</b>	<b>175,869,488</b>	<b>207</b>
<b>Total, 1940 ①.....</b>	<b>692,974</b>	<b>543,740</b>	<b>140,090</b>	<b>5,750</b>	<b>—</b>	<b>—</b>
<b>WORLD TOTAL</b>						
1948 ①.....	57,982,752	42,842,953	14,869,270	469,178	2,264,409,447	39
1940 ①.....	44,942,895	36,240,878	8,320,432	304,770	—	—

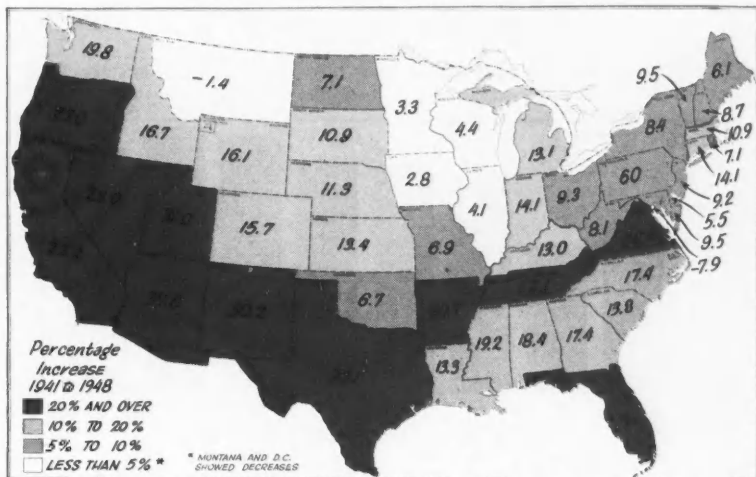
①—Not complete for all territories. ②—Included with trucks.

③—Detail does not add to total due to use of various sources for population estimates.

SOURCE: The American Automobile (Overseas Edition).

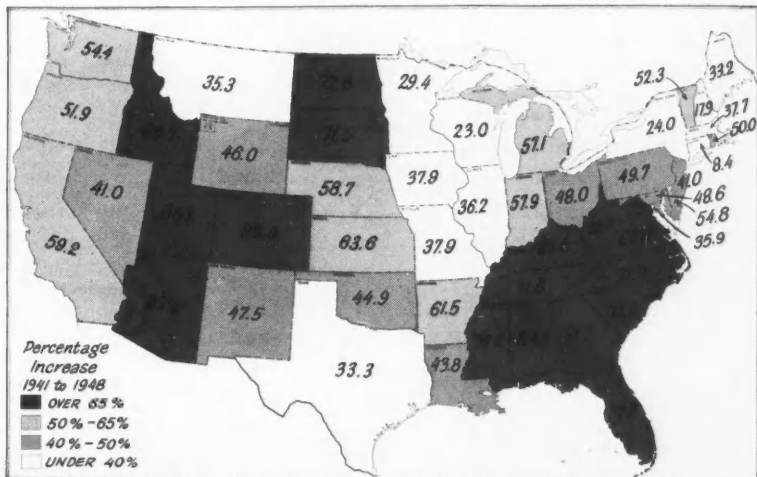
## Western and Southern States Show Biggest Percent Increase In Passenger Car Registrations Since 1941

North Central States Have Smallest Gains



## 1948 Truck Registration Increase Since 1941 is Largest in South Eastern States

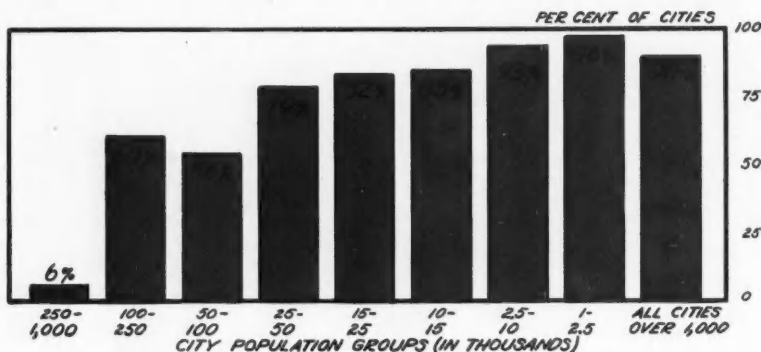
Alabama Shows Biggest Increase, Connecticut the Smallest



# 6,230 Cities Are Entirely Dependent on

## 4,156 Cities Entirely Dependent on Buses for Local Mass Transportation

Chart Shows Percent of Cities Having Mass Transportation Using Buses Only



Population Group	Total Cities in U.S. Number	Population ①	Number of Cities Having Local Mass Transportation Systems					No Local Mass Transportation	
			Street Cars	Trolley Buses	Motor Buses ②	Buses Only	Net Total with Mass Transp.	"Buses Only" % of Net Total	No. of Cities Population
1,000,000 & over	5	15,910,866	5	4	5	—	5	—	—
250,000—1,000,000	32	14,284,473	29	21	32	2	32	6.3	—
100,000—250,000	55	7,792,650	14	14	56	33	55	60.0	—
50,000—100,000	107	7,343,917	34	20	106	60	107	56.1	—
25,000—50,000	213	7,417,093	35	18	212	168	213	78.9	—
15,000—25,000	291	5,461,429	28	26	289	238	289	82.4	2 41,300
10,000—15,000	374	4,505,469	37	24	360	304	365	83.3	9 110,600
2,500—10,000 ③	2,387	11,707,805	125	20	1,692	1,601	1,714*	93.4	672 3,136,800
<b>Total Urban</b>	<b>3,464</b>	<b>74,423,702</b>	<b>307</b>	<b>147</b>	<b>2,752</b>	<b>2,406</b>	<b>2,780</b>	<b>86.5</b>	<b>684 3,288,700</b>
1,000—2,500 ④	3,205	5,026,834	39	31	1,790	1,750	1,815*	96.4	1,390 2,166,000
<b>Total 1,000 &amp; Over</b>	<b>6,669</b>	<b>79,450,536</b>	<b>346</b>	<b>178</b>	<b>4,542</b>	<b>4,156</b>	<b>4,595</b>	<b>90.4</b>	<b>2,074 5,565,700</b>

① Population and number of places from U. S. Bureau of Census, 1940.

② Includes cities having "Buses Only".

③ Data for 627 cities estimated on basis of 1760 replies.

④ These are incorporated places, classified by the Census Bureau as "Rural Territory". Data for 1,560 cities estimated on basis of 1,647 replies.

\* Most of the cities in the two lowest population groups which reported local mass transportation were either served by the system of larger nearby cities or by inter-city buses providing local pickup service.

SOURCE: Survey of cities by Automobile Manufacturers Association.

# Buses and Automobiles for Transportation

## 2,074 Cities Over 1,000 Population Have No Local Mass Transportation Systems

	Cities 2500 Population and Over		Rural Incorporated Places 1000-2500		Total Incorporated Places 1000 or More	
	Cities	Population	Places	Population	Places	Population
Ala.....	10	45,600	29	45,800	39	91,400
Ariz.....	2	7,100	—	—	2	7,100
Ark.....	9	39,200	27	41,000	36	80,200
Calif.....	32	168,300	39	63,600	71	231,900
Colo.....	11	56,200	28	45,100	39	101,300
Conn.....	—	—	2	3,000	2	3,000
Del.....	4	16,200	3	4,600	7	20,800
Fla.....	14	62,700	31	48,300	45	111,000
Ga.....	16	72,400	41	63,800	57	136,200
Idaho.....	8	31,200	19	28,400	27	59,600
Ill.....	41	193,200	103	160,100	144	353,300
Ind.....	23	115,100	50	80,100	73	195,200
Iowa.....	35	159,500	73	110,100	108	269,000
Kan.....	27	128,500	55	85,500	82	214,000
Ky.....	13	65,600	23	36,800	36	102,400
La.....	14	65,500	26	41,400	40	106,600
Maine.....	5	25,200	—	—	5	25,200
Md.....	2	18,700	6	9,900	8	28,600
Mass.....	4	42,600	—	—	4	42,600
Mich.....	21	112,900	54	83,500	75	196,400
Minn.....	23	106,200	52	79,800	75	186,000
Miss.....	10	44,700	25	37,100	35	81,800
Mo.....	31	138,800	44	68,700	75	207,500
Mont.....	7	29,600	13	19,700	20	49,300
Neb.....	15	64,000	41	63,100	56	127,100
Nev.....	—	—	—	—	—	—
N. H.....	1	9,700	—	—	1	9,700
N. J.....	10	65,900	14	24,500	24	90,400
N. M.....	6	32,400	7	11,400	13	43,800
N. Y.....	25	120,200	68	106,600	93	226,800
N. C.....	8	37,200	36	56,100	44	93,300
N. D.....	3	17,700	24	33,200	27	50,900
Ohio.....	41	208,900	57	87,300	98	296,200
Okla.....	28	121,800	27	42,100	55	163,900
Ore.....	5	25,300	8	12,700	13	38,000
Pa.....	31	153,800	63	102,800	94	256,600
R. I.....	2	11,600	—	—	2	11,600
S. C.....	9	42,800	23	36,400	32	79,200
S. D.....	5	20,400	24	35,200	29	55,600
Tenn.....	13	59,300	30	41,800	43	101,100
Texas.....	60	302,100	99	157,900	159	460,000
Utah.....	4	14,900	18	27,100	22	42,000
Vt.....	3	14,500	12	19,700	15	34,200
Va.....	9	39,400	15	23,100	24	62,500
Wash.....	8	34,300	13	20,600	21	54,900
W. Va.....	9	39,600	16	26,300	25	65,900
Wis.....	23	91,900	41	62,900	64	154,800
Wyo.....	4	16,000	11	19,200	15	35,200
Total.....	684	3,288,700	1,390	2,166,000	2,074	5,416,700

SOURCE: Survey made by Automobile Manufacturers Association.

# 5,416,000 Children Depend on School Buses

## One in Five School Children Carried by School Bus

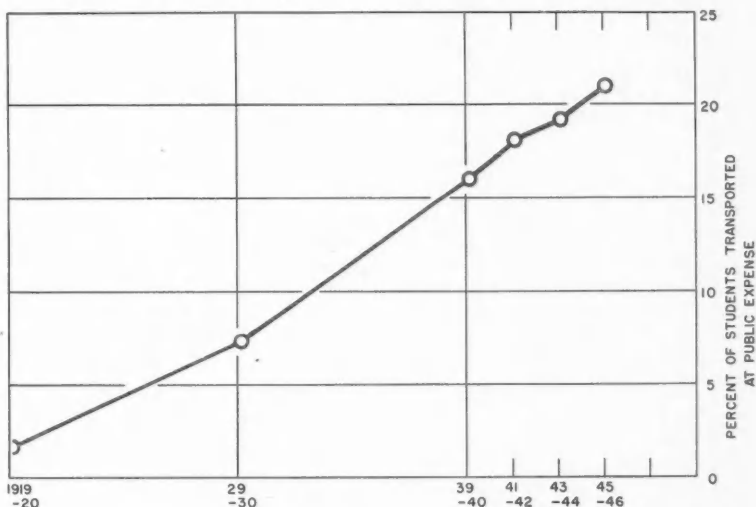
	Schools Using Buses	Children Carried Daily	No. Buses in School Operations	No. Vehicles in School Operation	Miles of Route One-Way	Cost of Services Annually	Children Transported by School Bus as Percent of All Students*
Alabama.....	1,537	252,084	3,347	3,488	141,058	\$4,286,299	37%
Arizona.....	245	28,076	320	320	17,864	800,000	27
Arkansas.....	620	150,000	2,107	2,107	36,405	3,400,000	33
California.....	1,028	215,934	2,461	2,461	15,000	4,757,627	15
Colorado.....	1,973	29,182	889	1,111	22,938	763,801	18
Connecticut.....	169	46,701	765	1,019	8,460	1,380,090	19
Delaware.....	78	10,864	219	224	3,750	400,000	25
Florida.....	972	131,772	1,587	1,692	36,825	2,817,668	30
Georgia.....	1,652	215,768	2,966	3,156	78,164	5,175,590	27
Idaho.....	527	35,376	900	1,000	12,000	1,325,801	27
Illinois.....	1,500	69,261	2,500	3,100	16,800	1,220,030	6
Indiana.....	975	238,969	5,692	5,692	97,593	7,918,104	36
Iowa.....	910	114,980	2,772	3,026	27,661	4,754,628	22
Kansas.....	1,461	20,343	1,401	1,401	7,000	804,372	7
Kentucky.....	1,373	143,237	1,585	1,676	48,290	2,816,334	29
Louisiana.....	680	150,589	2,537	2,669	37,980	3,461,380	36
Maine.....	400	44,406	538	1,231	16,147	130,000	28
Maryland.....	637	95,132	1,127	1,217	18,635	2,403,558	29
Massachusetts.....	351	79,990	1,075	1,075	18,663	1,450,000	12
Michigan.....	700	135,000	2,300	2,500	34,500	4,000,000	12
Minnesota.....	616	111,746	2,571	2,903	59,575	2,500,000	19
Mississippi.....	1,200	154,782	3,555	3,738	118,680	4,514,692	36
Missouri.....	672	107,417	2,027	2,270	45,000	4,500,000	18
Montana.....	333	16,402	502	564	10,549	383,839	31
Nebraska.....	160	8,500	275	325	5,500	550,000	2
Nevada.....	26	3,675	103	103	5,350	68,729	14
New Hampshire.....	650	19,283	414	773	10,033	775,768	23
New Jersey.....	468	101,637	1,648	1,648	24,899	3,407,517	16
New Mexico.....	318	31,780	855	965	20,731	1,700,000	22
New York.....	4,055	234,650	3,775	5,361	141,184	11,750,000	11
North Carolina.....	1,102	359,143	5,090	5,090	95,975	3,420,714	38
North Dakota.....	1,425	17,172	300	300	4,400	833,916	15
Ohio.....	1,468	314,241	5,888	6,317	115,543	8,160,842	25
Oklahoma.....	864	111,729	2,985	3,106	56,512	5,249,035	26
Oregon.....	650	61,000	989	1,244	30,000	2,500,000	17
Pennsylvania.....	1,750	255,000	3,554	4,197	126,000	6,584,754	16
Rhode Island.....	140	10,171	124	127	2,750	347,505	10
South Carolina.....	800	89,055	1,635	1,746	34,233	2,400,000	18
South Dakota.....	100	10,184	312	312	3,821	367,379	9
Tennessee.....	2,258	200,342	1,962	2,088	50,278	3,530,071	27
Texas.....	2,500	379,152	6,517	7,517	158,930	11,238,566	30
Utah.....	497	35,827	436	436	7,230	1,064,236	25
Vermont.....	461	8,463	274	868	7,913	300,000	15
Virginia.....	1,400	223,195	2,553	2,613	54,736	4,895,618	36
Washington.....	463	131,000	1,807	2,046	18,336	4,778,797	30
West Virginia.....	1,371	155,852	1,431	1,480	27,112	2,957,390	34
Wisconsin.....	2,645	43,700	1,475	1,475	74,750	1,451,920	11
Wyoming.....	201	13,096	240	676	9,355	859,566	25
District of Columbia.....	4	145	7	7	65	28,700	—
<b>Totals.....</b>	<b>46,400</b>	<b>5,416,000</b>	<b>90,400</b>	<b>100,500</b>	<b>2,013,000</b>	<b>\$145,200,000</b>	<b>22%</b>

\* A.M.A. Estimate Based on Data from U. S. Office of Education.

SOURCE: "Bus Transportation".



## School Buses Carry 22% of Public School Students



School Term	Number Students Enrolled	Number Transported at Public Expense	Percent Transported at Public Expense
1919-1920	21,578,316	350,100	1.6%
1929-1930	25,678,015	1,902,826	7.4
1939-1940	25,433,542	4,144,161	16.3
1941-1942	24,562,473	4,503,081	18.3
1943-1944	23,266,616	4,512,412	19.4
1945-1946	23,299,941	5,056,966	21.7

Note: While all types of transportation are included, practically all of the children are transported in buses.

SOURCE: U. S. Office of Education.

## 82,000 Taxicabs Carried 2 Billion Passengers in 1948

	No. of Taxicabs	Passengers Carried	Gross Revenue	Miles Traveled
1941	55,400	966,721,147	\$247,117,161	2,191,790,200
1942	50,800	1,288,360,674	367,850,585	2,567,330,400
1943	48,464	1,446,138,290	558,108,215	2,642,741,920
1944	47,301	1,616,029,819	585,970,948	3,193,709,832
1945	48,389	1,649,716,781	588,462,575	3,359,086,777
1946	62,905	1,886,925,445	773,929,375	4,293,756,876
1947	73,473	1,807,768,679	856,783,435	4,901,067,251
1948	82,000	1,966,816,530	866,720,868	5,217,616,729

SOURCE: Cab Research Bureau, Inc., affiliated with National Association of Taxicab Owners.

## Two-Car Families Are Increasing

Families Owning Two or More Cars, Percent of All Car-Owning Families...	April, 1946 Urban*	April, 1947 Urban*	June and July, 1948		
	3%	4%	Urban	Rural	Total
			5.2%	4.3%	4.8%

\*Rural families not surveyed in 1946 and 1947.

SOURCE: Surveys by the Crowell-Collier Publishing Company.

## Motor Trucks Haul High Percent of Farm Products and Other Commodities

Commodity	Percent Hauled by Truck	Commodity	Percent Hauled by Truck
<b>Livestock (66 Markets)</b>		<b>Fruit and Vegetables (12 Markets)</b>	
Cattle.....	69%	Apples.....	58%
Hogs.....	74	Beans.....	78
Calves.....	73	Cabbage.....	64
Sheep and Lambs.....	42	Cantaloupe.....	32
Total.....	69	Cauliflower.....	63
<b>Dairy Products</b>		Celery.....	51
Milk (75 Metropolitan areas).....	100	Cucumbers.....	79
Butter (10 Markets).....	44	Grapefruit.....	28
Fresh eggs (11 Markets).....	65	Green corn.....	86
Cheese (10 Markets).....	20	Greens.....	90
Live poultry (10 Markets).....	98	Lettuce.....	40
Dressed poultry (11 Markets).....	56	Onions (dry).....	36
<b>Miscellaneous</b>		Oranges.....	25
Sand and gravel.....	66	Peas.....	40
Crushed stone.....	48	Peaches.....	65
Portland cement.....	16	Potatoes.....	38
Fuel briquettes.....	18	Squash.....	93
Packaged fuel.....	93	Strawberries.....	83
Blast furnace slag.....	46	Sweet potatoes.....	75
Pulpwood.....	90	Tomatoes.....	51
Household goods.....	90	Watermelon.....	46

SOURCES: U. S. Department of Agriculture, U. S. Bureau of Mines, American Trucking Associations.

## 5,000,000 Passenger Cars, 2,000,000 Trucks Are on Farms

### Horses and Mules on Farms Only Third of 1920

#### Draft Animals and Motor Equipment on Farms, 1920-1948, in Thousands

Year (Jan. 1)	Auto-mobiles	Motor Trucks	Tractors	Horses and Mules	Year (Jan. 1)	Auto-mobiles	Motor Trucks	Tractors	Horses and Mules
1920...	2,146	139	246	25,742	1943...	4,350	1,280	2,100	13,231
1925...	3,283	459	549	22,569	1944...	4,185	1,385	2,215	12,613
1930...	4,135	900	920	19,124	1945...	4,152	1,490	2,422	11,950
1935...	3,642	890	1,048	16,683	1946...	4,150	1,550	2,585	11,063
1940...	4,144	1,047	1,545	14,478	1947...	4,520	1,730	2,800	10,021
1941...	4,330	1,095	1,675	14,104	1948p...	4,930	1,920	3,150	9,130
1942...	4,670	1,160	1,885	13,655	p—Preliminary.				

SOURCE: Dept. of Agriculture.

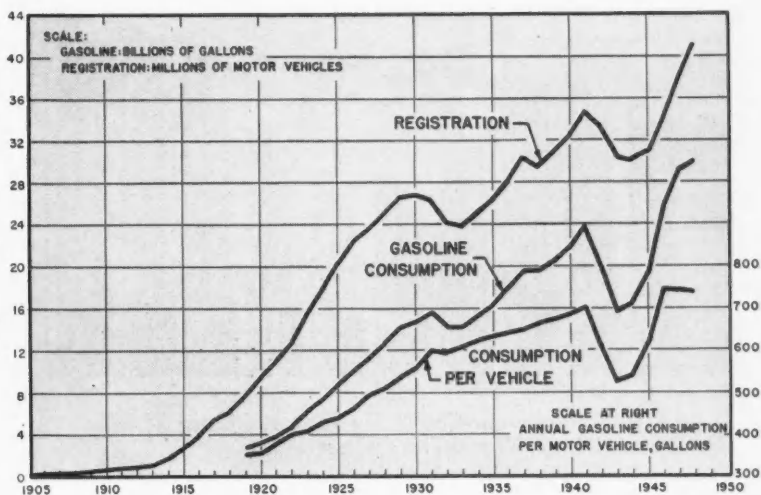
### Farm Passenger Cars Are Work Cars

Forty-six percent of the farms in the United States having trailers use passenger cars to haul them, the other 54 percent being hauled by truck or farm-tractor, according to a survey conducted in April, 1948 by the U.S. Department of Agriculture.





## 1948 Gasoline Consumption 25% Higher Than 1941



### Annual Gasoline Consumption by Motor Vehicles

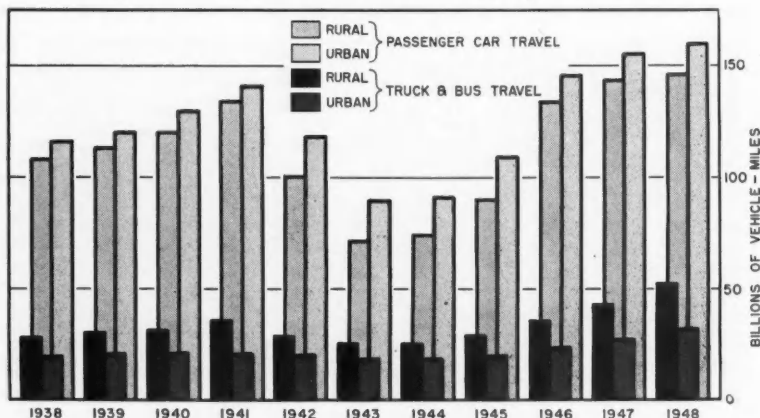
In Thousands of Gallons

	Private Vehicles	Government- Owned Vehicles	Total		Private Vehicles	Government- Owned Vehicles	Total
1919.....	2,605,200	66,800	2,672,000	1934.....	15,033,999	380,897	15,414,896
1920.....	3,264,023	81,977	3,346,000	1935.....	15,919,281	425,416	16,344,697
1921.....	3,840,954	94,046	3,935,000	1936.....	17,640,917	458,221	18,099,138
1922.....	4,727,721	113,279	4,841,000	1937.....	18,973,618	481,836	19,455,454
1923.....	5,938,814	139,186	6,078,000	1938.....	19,110,356	501,287	19,611,643
1924.....	7,328,318	168,682	7,497,000	1939.....	20,170,516	543,836	20,714,352
1925.....	8,556,558	192,517	8,749,075	1940.....	21,417,818	583,538	22,001,356
1926.....	9,848,668	215,283	10,063,951	1941.....	23,637,867	554,530	24,192,397
1927.....	11,093,864	237,462	11,331,326	1942.....	19,472,813	467,074	19,939,887
1928.....	12,106,219	255,241	12,361,460	1943.....	15,668,249	336,001	16,004,250
1929.....	13,858,382	280,919	14,139,301	1944.....	16,089,547	340,121	16,429,668
1930.....	14,454,164	299,747	14,753,911	1945.....	18,797,970	350,998	19,148,968
1931.....	15,149,145	307,517	15,456,662	1946.....	25,269,041	379,957	25,648,998
1932.....	14,012,600	326,551	14,339,151	1947.....	27,714,492	501,213	28,215,705
1933.....	13,998,958	349,194	14,348,152	1948*	29,850,000	550,000	30,400,000

\*Preliminary estimate by Automobile Manufacturers Association.

SOURCE: U. S. Public Roads Administration.

## Motor Vehicle Travel at New High in 1948



**1948 Passenger Car Miles Traveled Gain 16%,  
Trucks 38% Over 1941**

### Vehicle-Miles of Travel in United States

MILLIONS OF MILES	Buses				AVERAGE MILES PER VEHICLE			
	Passenger Cars	Commercial	School and Non-Revenue	Trucks and Combinations	Total ①	Passenger Cars	Trucks	Total
RURAL TRAVEL								
1941 .....	133,891	878	635	34,401	169,805	4,509	6,729	4,859
1942 .....	100,107	1,036	573	27,145	128,861	3,579	5,700	3,919
1943 .....	71,510	1,139	562	24,546	97,757	2,750	5,323	3,177
1944 .....	74,321	1,327	545	24,637	100,830	2,907	5,307	3,321
1945 .....	90,131	1,326	577	27,149	119,183	3,495	5,478	3,856
1946 .....	134,013	1,413	586	34,594	170,606	4,751	5,925	4,987
1947 .....	143,662	1,480	621	40,771	186,534	4,654	6,132	4,948
1948 ② .....	147,000	-2,200-		47,900	197,100	4,400	6,500	4,850
URBAN TRAVEL								
1941 .....	141,794	1,234	73	20,490	163,591	4,776	4,008	4,681
1942 .....	118,132	1,456	65	18,582	138,235	4,223	3,902	4,204
1943 .....	90,278	1,601	63	17,048	108,990	3,472	3,697	3,542
1944 .....	91,752	1,866	61	17,071	110,750	3,589	3,678	3,648
1945 .....	109,054	1,864	65	18,760	129,743	4,229	3,785	4,198
1946 .....	146,444	1,987	66	21,552	170,049	5,191	3,691	4,971
1947 .....	156,620	2,080	70	25,318	184,088	5,073	3,808	4,883
1948 ② .....	173,000	-2,300-		27,600	202,900	5,200	3,750	5,000
RURAL AND URBAN								
1936 .....	208,654	1,764	603	41,107	252,128	8,622	10,098	8,879
1937 .....	223,467	1,854	638	44,151	270,110	8,767	10,264	9,027
1938 .....	224,174	1,854	654	44,495	271,177	8,871	10,383	9,134
1939 .....	235,629	1,856	698	47,219	285,402	8,976	10,504	9,240
1940 .....	249,559	1,944	713	49,927	302,143	9,079	10,624	9,346
1941 .....	275,685	2,112	708	54,891	333,396	9,285	10,739	9,539
1942 .....	218,239	2,492	638	45,727	267,096	7,803	9,602	8,123
1943 .....	161,788	2,740	625	41,594	206,747	6,221	9,021	6,719
1944 .....	167,073	3,193	606	41,708	211,580	6,497	8,984	6,969
1945 .....	199,185	3,190	642	45,909	248,926	7,724	9,264	8,054
1946 .....	280,457	3,400	652	56,146	340,655	9,942	9,615	9,858
1947 .....	300,282	3,580	691	66,089	370,622	9,727	9,939	9,831
1948 ② .....	320,000	-4,500-		75,500	400,000	9,600	10,250	9,850

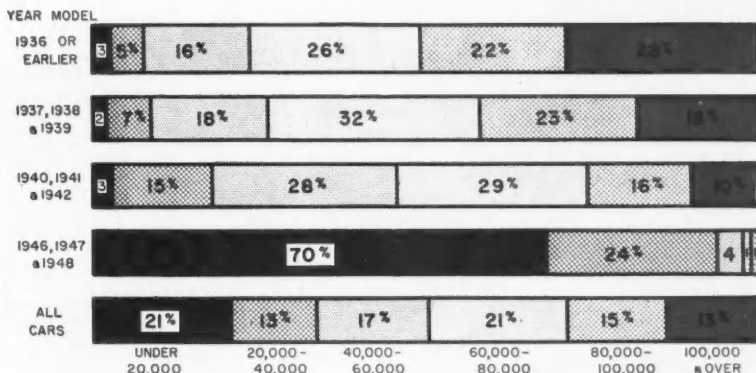
①—Totals estimated for 1921—55 billion; 1926—141 billion; 1931—216 billion.

② Preliminary estimates by Automobile Manufacturers Association.

SOURCE: U. S. Public Roads Administration.

# One Out of Every 8 Cars in Use Driven Over 100,000 Miles

Percent of Cars in Use Classified by Accumulated Mileage Groups



## 1948 Average Mileage on All Cars in Use 59,000

Year Model	Median Car Mileage	Year Model	Median Car Mileage	Year Model	Median Car Mileage
1935 & Older	82,200	1939	68,200	1946	24,600
1936	78,900	1940	66,300	1947	13,700
1937	78,300	1941	60,900	1948	Under 10,000
1938	74,400	1942	60,400	All Cars	59,000

SOURCE: Survey in June and July, 1948, by Crowell-Collier Company.

## Average Number of Persons Per Car Under Two

Metropolitan Area	Year of Survey	Internal Trips <sup>①</sup>	External Trips Out-of-town <sup>②</sup>	Trips Through <sup>③</sup>	All External	All Trips
Athens, Ga.	1946	2.00	*	*	*	*
Augusta, Ga.	1946	*	*	*	*	1.40
Columbus, Ga.	1945	*	*	*	*	1.50
Macon, Ga.	1946	*	*	*	*	1.40
Baltimore, Md.	1945	1.46	*	*	1.80	*
Kalamazoo, Mich.	1945	1.48	1.86	1.96	1.87	*
Lansing, Mich.	1946	1.51	1.90	2.20	1.93	*
Muskegon, Mich.	1945	1.79	2.08	2.46	2.11	*
Pontiac, Mich.	1947	1.61	1.81	1.88	1.83	*
Newark, N. J.	1945	1.53	*	*	*	*
Charleston, S. C.	1946	1.68	2.17	2.53	2.23	1.86
Sacramento, Cal.	1948	1.50	*	*	1.90	*
Harrisburg, Pa.	1948	1.48	1.93	2.26	2.01	*

\* Not Available.

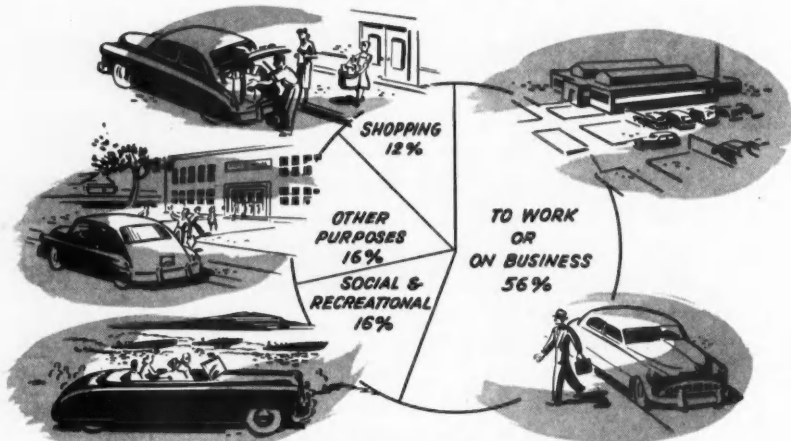
①—Internal Trips are trips with both origin and destination within city.

②—Out-of-town external trips are trips with either origin or destination within city, but not both.

③—Through external trips are trips with both origin and destination outside city.

SOURCE: Surveys by city and state traffic engineers in cooperation with U. S. Public Roads Administration.

## 56% of Car Trips Are for Purpose of Making a Living Shopping Accounts for Another 12%



**Trip Purposes of Resident Automobile Drivers**  
PURPOSE OF TRIPS, PERCENT OF TOTAL

Metropolitan Area	Work	Business	Shopping	Medical, Dental	School	Serve Passenger	Eat Meal	Social Recreation	Total
Tucson, Ariz. ①	30.5	14.9	16.9	1.4	2.2	16.6	3.2	14.2	100.0
Athens, Ga. ②	19.5	36.8	7.7	1.3	9.1	1.7	6.6	17.0	100.0
Macon, Ga. ③	45.7	16.7	9.0	1.4	1.0	7.2	12.0	6.9	100.0
Augusta, Ga. ④	38.4	20.1	10.9	1.0	.8	8.2	9.9	10.7	100.0
Columbus, Ga. ⑤	23.8	24.8	16.2	1.2	2.9	9.5	6.3	15.2	100.0
Baltimore, Md. ⑥	43.7	21.6	9.9	1.9	.9	5.9	1.8	14.3	100.0
Boston, Mass. ⑦	59.8	8.0	9.9	1.5	1.0	3.8	2.9	18.1	100.0
Kalamazoo, Mich. ⑧	37.9	10.6	10.7	1.0	1.0	11.5	6.9	20.5	100.0
Lansing, Mich. ⑨	39.5	8.9	14.9	.7	1.3	15.1	6.9	12.6	100.0
Muskegon, Mich. ⑩	31.5	12.3	12.6	.5	.3	14.1	5.7	23.0	100.0
Pontiac, Mich. ⑪	33.4	13.9	12.0	1.1	.7	22.8	3.5	12.4	100.0
Port Huron, Mich. ⑫	40.4	7.9	17.2	1.1	.7	10.6	4.1	18.1	100.0
Charleston, S. C. ⑬	25.5	15.3	12.4	1.5	1.6	8.2	1.8	33.7	100.0
Salt Lake C., Utah ⑭	38.4	16.1	10.5	1.2	1.2	11.0	2.8	18.9	100.0
Harrisburg, Pa. ⑮	45.9	9.0	9.7	.9	—	12.6	7.2	13.2	100.0
Total, 15 Cities	41.2	14.6	11.8	1.3	1.3	9.5	4.2	16.0	100.0

①—Year of Survey, 1948; ②—1946; ③—1945; ④—1947.

SOURCE: Surveys by city and state traffic engineers in cooperation with U. S. Public Roads Administration.

## Most City Travel Is By Private Passenger Car MODE OF TRAVEL BY CITY RESIDENTS

Metropolitan Area	Year of Survey	Auto Driver	Auto Passenger	Taxi Passenger	Truck Passenger	Bus Passenger	Street Car Passenger	Other	Total
Tucson, Ariz.	1948	57.0	29.7	.3	.2	12.7	—	—	100.0
Baltimore, Md.	1945	29.2	14.0	1.1	—	53.8	—	1.92	100.0
Boston, Mass.	1945	29.1	8.0	.3	—	5.1	54.6	2.8	100.0
Charleston, S. C.	1945	40.1	27.8	.7	1.1	30.2	—	—	100.0
Salt Lake City, Utah	1946	45.3	27.4	1.5	.5	25.3	—	—	100.0
Sacramento, Calif.	1948	64.0	23.0	—	—	13.0	—	—	100.0

SOURCE: Surveys by city and state traffic engineers in cooperation with U. S. Public Roads Administration.



# 51,469,000 Drivers in United States

Drivers Average 1.55 Per Private Passenger Car

	Estimated Number of Drivers	Per Private Passenger Car		Estimated Number of Drivers	Per Private Passenger Car
Alabama	775,000	1.98	Nevada	73,000	1.53
Arizona	254,000	1.57	New Hampshire	191,000	1.60
Arkansas	510,000	1.99	New Jersey	1,668,000	1.50
California	4,606,000	1.44	New Mexico	186,000	1.47
Colorado	591,000	1.67	New York	3,716,000	1.37
Connecticut	766,000	1.43	North Carolina	1,089,000	1.65
Delaware	104,000	1.53	North Dakota	280,000	1.72
Florida	957,000	1.55	Ohio	2,845,000	1.36
Georgia	894,000	1.65	Oklahoma	675,000	1.33
Idaho	304,000	1.94	Oregon	553,000	1.23
Illinois	2,872,000	1.51	Pennsylvania	3,323,000	1.56
Indiana	1,482,000	1.40	Rhode Island	288,000	1.51
Iowa	1,278,000	1.74	South Carolina	682,000	1.79
Kansas	965,000	1.69	South Dakota	340,000	1.83
Kentucky	813,000	1.73	Tennessee	848,000	1.64
Louisiana	652,000	1.67	Texas	2,336,000	1.32
Maine	318,000	1.70	Utah	288,000	1.75
Maryland	822,000	1.75	Vermont	138,000	1.45
Massachusetts	1,565,000	1.66	Virginia	921,000	1.51
Michigan	2,618,000	1.50	Washington	986,000	1.58
Minnesota	1,581,000	1.98	West Virginia	661,000	2.19
Mississippi	459,000	1.74	Wisconsin	1,393,000	1.68
Missouri	1,387,000	1.58	Wyoming	153,000	1.86
Montana	259,000	1.78	D. of C.	295,000	2.02
Nebraska	708,000	1.80	U. S. Total	51,469,000	1.55

NOTE: In some states requiring chauffeurs licenses, drivers possessing such licenses are not required to have an ordinary operators license. Since the above data are estimated from operators licenses issued and do not include chauffeurs licenses, the estimated number of drivers in certain states is on the low side.

SOURCE: Estimated by Automobile Manufacturers Association from U. S. Public Roads Administration data on operators' licenses issued in 1948.

## Mechanical Causes of Motorists' Difficulties on the Road

Estimates are for all passenger cars in use in United States, based on reports of 16,000 garages under contract to render emergency road service to members of the American Automobile Association.

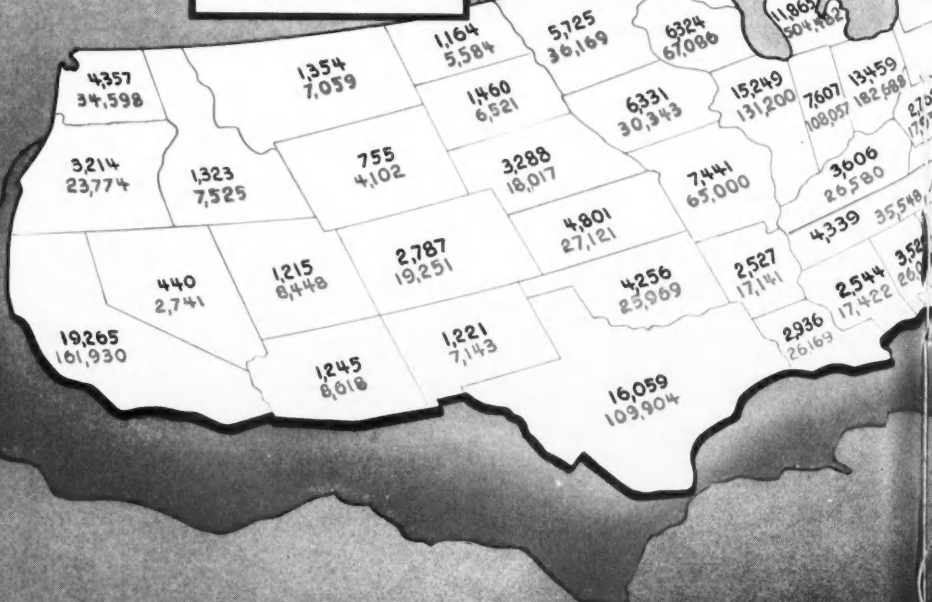
Type of Service	NUMBER OF BREAKDOWNS					PERCENT OF TOTAL				
	1944 (000)	1945 (000)	1946 (000)	1947 (000)	1948 (000)	1944	1945	1946	1947	1948
Tire	9,152	11,317	10,836	8,864	8,660	29.8	31.3	29.9	23.8	21.3
Battery	4,655	6,115	6,484	7,098	8,012	15.2	16.9	17.9	19.1	19.8
Ignition	4,793	4,546	4,392	4,095	4,389	15.6	12.6	12.1	11.0	10.8
Tow	2,990	4,510	5,083	5,145	4,920	9.7	12.5	14.0	13.8	12.1
Carburetor	2,533	2,839	2,371	2,508	3,323	8.3	7.9	6.6	6.7	8.2
Wrecker	1,044	1,211	1,448	2,031	2,302	3.4	3.4	4.0	5.5	5.7
Stuck	534	1,008	1,006	1,535	2,257	1.7	2.8	2.8	4.1	5.6
Out of Gas	1,207	849	873	1,051	1,349	3.9	2.4	2.4	2.8	3.3
Starter	632	578	529	831	640	2.1	1.6	1.5	2.2	1.6
Lock and Key	473	368	416	473	677	1.5	1.0	1.2	1.3	1.7
Gas Line	927	318	384	425	474	3.0	.9	1.1	1.0	1.2
Lights	*	*	*	317	438	*	*	*	.9	1.1
Brakes	*	*	*	507	426	*	*	*	1.4	1.1
All Others	1,763	2,503	2,382	2,380	2,699	5.8	6.9	6.6	6.4	6.7
Total	30,703	36,162	36,204	37,260	40,566	100	100	100	100	100

\*Included in "All Others".

SOURCE: American Automobile Association.

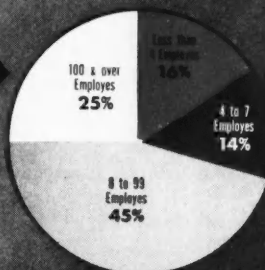
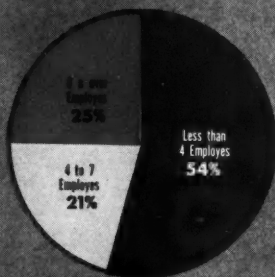
Figures in black are number of automotive business concerns\*  
Figures in color are number of employees in these concerns\*

KEY



## MOST AUTOMOTIVE CONCERNS ARE SMALL

### MOTOR VEHICLE AND EQUIPMENT MANUFACTURING



### TRUCKING FOR HIRE\*

## OVER 90%

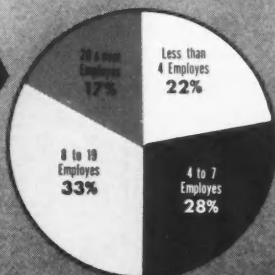
Motor Vehicle & Equip. Manuf.  
Trucking & Warehousing for  
Bus Lines, Interurban Only  
Taxicabs  
Other Highway Passenger  
Motor Vehicle Dealers, New  
Motor Vehicle Dealers, Used  
Accessory, Tire & Batt. Dea  
Automotive Dealers, N.O.S.  
Retail Automotive, N.O.S. (2)  
Retail Filling Stations (3)  
Automobile Repair & Garage  
Total  
Percent of Total

\*NOTE: This data is based on  
program. Since the pro  
of the employer's fam  
number of businesses  
stations, trucking for hi

# EVERY STATE HAS STAKE IN AUTO INDUSTRY

**50% OF DEALERS  
HAVE LESS THAN 8  
EMPLOYEES**

**MOTOR  
VEHICLE  
DEALERS**



**AUTOMOBILE  
REPAIR AND GARAGES\***



## OVER 90 PERCENT HAVE LESS THAN 20 EMPLOYEES

*Does Not Include All Automotive Businesses*

	Employ- ment* March 1947	Payroll* 1st Quarter 1947 (000)	NUMBER UNITS REPORTING*						Total
			With 0-3 Employees	With 4-7 Employees	With 8-19 Employees	With 20-49 Employees	With 50-99 Employees	With 100 or more Employees	
Equip. Manufacturing	765,708	541,797	305	269	355	325	164	453	1,871
Business for Hire	534,664	314,714	29,605	11,270	8,036	3,801	1,267	663	54,642
in Only	63,300	44,494	524	286	351	269	143	151	1,724
Passenger Transp. (1)	131,357	55,730	5,071	2,350	1,950	716	210	157	10,454
	11,374	5,414	1,034	413	232	88	14	6	1,787
Trucks, New & Used	408,802	270,163	7,003	9,149	10,857	4,542	847	149	32,547
Trucks, Used Only	23,782	14,124	3,531	1,313	574	105	10	6	5,539
Auto. Dealers	79,274	48,497	6,849	2,947	1,728	384	72	44	12,024
Auto. N.O.S. (2)	4,492	3,374	291	97	66	47	6	5	512
Auto. N.O.S. (2)	522	337	16	15	16	6			53
Auto. (3)	228,952	98,295	56,625	13,412	2,904	447	74	53	73,515
Auto. & Garages	234,209	121,238	40,923	12,864	5,236	923	108	34	60,088
	2,486,436	1,518,177	151,777	54,385	32,305	11,653	2,915	1,585	254,756
			59.6%	21.3%	12.7%	4.6%	1.1%	.6%	100.0%

is based on employers' tax reports under the old-age and survivors insurance. Since the program does not cover self-employment, or employment of a member of the employer's family, many smaller businesses are not included. For this reason the figures for businesses and employment therein is greatly understated, especially filling stations, trucking for hire, taxicabs, and automobile repair.

(1)—Vehicle rental and charter.

(2)—Not otherwise stated.

(3)—Does not include filling stations operated as a secondary business in connection with another business such as a motor vehicle dealer or a country general store.

# Highway Transport Industries Employ Over 9,000,000

One Out of Seven Persons Employed in United States

State	Motor Vehicle, Parts and Tire Manufacturing (1)	Petroleum Refining (2)	Sales and Servicing (3)	Federal, County and Local Roads (4)	Truck Drivers (5)	Common Carrier Bus Employees (6)	Total
Ala.....	3,516	—	25,205	4,702	102,240	3089	138,752
Aris.....	31	—	10,962	2,120	38,403	985	52,501
Ark.....	1,696	1,006	17,955	2,449	74,894	1,732	99,732
Calif.....	26,026	16,932	123,263	18,287	418,321	15,542	618,371
Colo.....	661	294	21,221	3,833	67,592	1,617	95,218
Conn.....	4,006	—	17,493	3,903	67,162	4,496	97,060
Del.....	146	—	3,685	922	13,716	202	18,671
Fla.....	415	—	30,682	7,756	122,024	4,090	164,967
Ga.....	3,100	—	32,670	6,236	111,258	3,574	156,838
Idaho.....	—	—	9,799	1,654	33,354	432	45,239
Ill.....	21,888	8,376	88,420	9,482	224,823	12,007	364,996
Ind.....	63,250	10,923	48,038	5,812	155,224	5,303	288,550
Iowa.....	1,074	—	29,620	4,338	104,382	1,926	141,340
Kan.....	3,846	5,062	23,297	5,185	96,426	2,334	136,150
Ky.....	2,467	1,085	18,449	6,578	98,270	5,235	132,084
La.....	482	10,308	24,389	7,193	85,101	3,844	131,317
Maine.....	—	—	10,826	2,687	39,075	1,231	53,819
Md.....	6,719	1,385	18,262	5,217	68,963	4,016	104,562
Mass.....	3,586	885	43,291	6,015	132,905	9,966	196,648
Mich.....	435,651	1,369	83,733	11,257	142,021	11,009	685,040
Minn.....	3,883	—	35,911	7,667	105,524	3,870	156,855
Miss.....	1,887	—	15,426	6,605	75,448	1,069	100,435
Mo.....	13,893	—	45,433	6,426	152,594	7,352	225,698
Mont.....	—	900	7,921	2,193	28,600	608	40,222
Neb.....	508	—	17,077	2,845	64,896	1,973	87,299
Nev.....	—	—	2,073	866	10,644	204	13,787
N. H.....	—	—	5,612	2,386	26,216	912	35,126
N. I.....	17,359	10,149	44,547	5,853	168,872	15,995	262,775
N. M.....	—	240	11,118	2,032	29,194	707	43,291
N. Y.....	39,688	2,840	115,563	17,090	328,087	25,579	528,847
N. C.....	876	—	39,465	9,787	115,209	5,130	170,467
N. D.....	—	—	6,330	1,755	24,409	278	32,772
Ohio.....	151,262	3,249	76,435	13,569	217,659	10,601	472,775
Oka.....	307	6,482	31,717	4,717	97,753	2,686	143,662
Ore.....	341	—	22,185	4,769	93,242	2,306	122,843
Pa.....	27,102	13,930	98,978	26,834	306,888	16,854	490,586
R. I.....	960	—	6,719	1,461	25,284	1,258	35,682
S. C.....	172	—	19,539	7,621	77,578	1,203	106,113
S. D.....	—	—	7,294	1,995	28,154	464	37,907
Tenn.....	3,138	—	26,203	5,380	96,597	4,905	136,223
Texas.....	2,954	32,685	95,432	18,692	355,414	11,675	516,852
Utah.....	88	425	9,471	1,796	24,530	1,053	37,363
Vt.....	—	—	3,592	1,175	27,849	472	33,088
Va.....	1,752	—	25,070	10,138	96,760	5,785	139,905
Wash.....	1,734	—	32,118	5,318	83,114	4,391	126,675
W. Va.....	616	693	14,972	6,274	64,752	4,244	91,551
Wis.....	34,141	—	27,200	7,983	119,535	2,460	191,319
Wyo.....	—	2,007	4,448	1,292	16,977	286	25,020
D. of C.....	—	—	8,999	2,868	19,875	2,872	34,614
Total...	881,221	131,225	1,538,108	303,013	5,077,808	229,832	8,161,208

Estimated employment engaged in manufacturing batteries, automobile stampings and electrical equipment, raw materials, and in taxicab, insurance and financing services... 859,000

Total, direct and indirect... 9,020,000

①—Data for motor vehicles and equipment industry for 1947, based on records of the Social Security Administration. Data for tire and tube industry is from 1947 Census of Manufactures.

②—Based on 1947 Census of Manufactures after deducting 10 percent for non-automotive use of gasoline. Breakdown by states has been partly estimated.

③—Estimated from 1939 Census of Business brought up to date by means of change in number of sales and servicing establishments since 1939.

④—U. S. Public Roads Administration and Bureau of the Census.

⑤—Estimated by assuming 1 driver per non-farm truck.

⑥—"Bus Transportation" estimate of employment in common carrier bus industry distributed by states on basis of number of common carrier buses in each state.

# Auto Industry Employment In Census Years

## For Motor Vehicle, Bodies and Parts Industry

Year	ALL EMPLOYEES		PRODUCTION WORKERS		Value Added By Manufacture (000)
	Number	Salaries and Wages (000)	Number	Wages (000)	
1899.....	①	\$ 1,615	2,241	\$ 1,321	\$ 2,944
1904.....	13,333	8,416	12,049	7,159	16,882
1909.....	85,359	58,173	75,721	48,694	117,556
1914.....	145,951	139,453	127,092	101,927	276,624
1919.....	396,104	593,306	343,115	491,121	1,139,395
1921.....	249,592	406,491	212,777	318,753	758,377
1923.....	452,922	769,545	404,886	659,877	1,464,870
1925.....	475,074	833,466	426,110	713,931	1,750,489
1927.....	414,865	733,510	369,399	612,955	1,469,136
1929.....	494,465	870,611	447,448	733,083	2,002,226
1931.....	①	①	285,515	350,526	951,582
1933.....	272,329	303,450	243,614	252,106	648,026
1935.....	425,045	621,545	387,801	545,414	1,122,141
1937②.....	530,164	869,276	479,341	756,081	1,506,894
1937②.....	①	①	511,333	807,026	1,581,877
1939②.....	460,419	793,484	398,963	646,406	1,322,476
1939②.....	①	①	388,126	630,600	1,287,500
1947.....	679,815	2,145,900	581,569	1,750,300	3,704,800

NOTE: Due to revisions now in progress on usual table showing employment, payroll and individual worker averages for weekly earnings, weekly hours and hourly rates compiled by the U. S. Bureau of Labor Statistics, publication has been omitted from the 1949 edition of this booklet. 1947 is latest year for which data is available from Census Bureau.

① No data.

② In 1939 and 1947 the industry classifications were modified from the classification used in the previous census. The first set of figures for 1937 is comparable with 1935 and prior years; the second set of figures for 1937 is comparable with the first set of figures for 1939. The second set of figures for 1939 is comparable with the 1947 data.

SOURCE: Bureau of the Census.

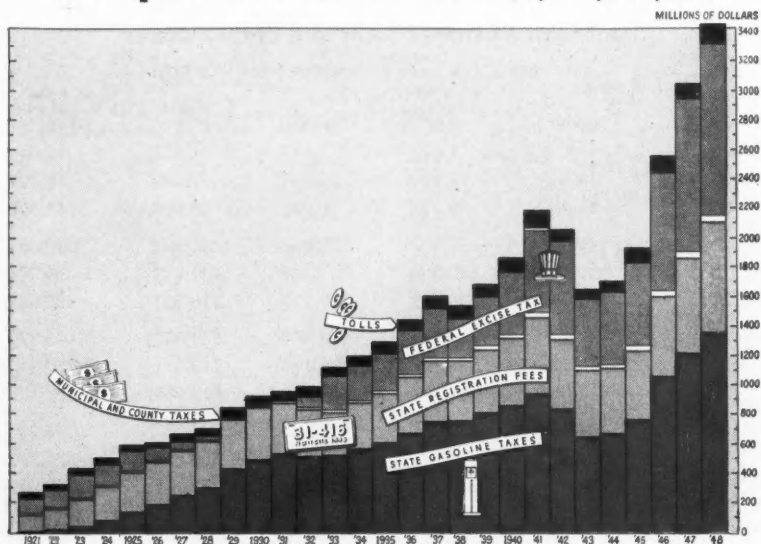
## Truck Transportation Employs 5,677,000

### One Out of Every Eleven Employed in United States

Employment		Employment	
1. Production of motor trucks, parts, accessories, trailers and rubber tires.....	230,000	4. Federal, state and county roads.....	57,000
2. Sales and servicing.....	288,000	5. Truck drivers.....	5,077,000
3. Petroleum refining.....	25,000	<b>Total.....</b>	<b>5,677,000</b>

SOURCE: Estimated by Automobile Manufacturers Association.

# 1948 Special Motor Vehicle Taxes \$3,442,000,000



**SPECIAL TAXES FOR HIGHWAY PURPOSES**  
In Thousands of Dollars

	State Gross Registration Receipts ① (000)	State Gasoline Tax Net ② (000)	Special City & County Taxes ③ (000)	Bridge, Tunnel, Ferry, Road Tolls ④ (000)	Total Special Road Taxes ⑤ (000)	Federal Excise Taxes ⑥ (000)	Total Special Taxes (000)
1925.....	\$260,583	\$ 148,358	\$ 7,085	\$ 36,000	\$ 452,026	\$ 145,302	\$ 597,328
1926.....	288,236	187,603	8,051	42,000	525,890	96,432	622,322
1927.....	300,872	258,967	8,875	47,000	615,714	60,504	676,218
1928.....	322,577	305,234	9,738	52,000	689,549	28,222	717,771
1929.....	347,697	431,636	11,451	59,000	849,784	28,222	849,784
1930.....	355,580	494,683	12,470	62,000	924,733	28,222	924,733
1931.....	344,313	537,589	13,696	65,000	960,598	28,222	960,598
1932.....	325,104	514,139	15,570	60,000	914,813	75,356	990,169
1933.....	301,314	519,403	15,460	60,000	896,177	230,649	1,126,826
1934.....	316,754	566,642	16,714	64,000	964,110	235,743	1,199,853
1935.....	335,401	619,677	19,822	68,000	1,042,900	256,671	1,299,571
1936.....	374,920	691,420	22,025	73,000	1,161,365	297,142	1,458,507
1937.....	415,829	761,998	23,539	78,000	1,279,366	326,515	1,605,881
1938.....	405,245	771,764	26,490	78,700	1,282,200	267,989	1,550,189
1939.....	430,549	821,656	29,807	87,400	1,369,412	324,012	1,693,424
1940.....	457,091	870,136	33,260	96,100	1,456,587	416,394	1,872,981
1941.....	511,242	957,312	38,360	106,000	1,612,914	572,759	2,185,673
1942.....	470,864	844,855	39,600	87,000	1,442,319	626,055	2,068,374
1943.....	449,724	659,125	33,900	70,000	1,212,749	445,814	1,658,563
1944.....	445,620	680,950	31,300	72,000	1,229,870	486,097	1,715,967
1945.....	467,589	783,691	31,800	84,000	1,367,080	556,963	1,924,043
1946.....	551,318	1,064,681	36,600	113,000	1,765,599	798,406	2,564,006
1947.....	646,097	1,206,305	41,700	124,000	2,018,102	1,039,373	3,057,475
1948.....	755,183	1,350,028	45,000	135,000	2,285,211	1,157,000	3,442,211

These are special taxes on the motor vehicle users. Income and property taxes on motor vehicle, body, parts, and tire factories, garages, dealers, repair shops, terminal and truck, taxicab and bus operating companies are not included.

①—U. S. Public Roads Administration. Registration receipts include special motor carrier fees.

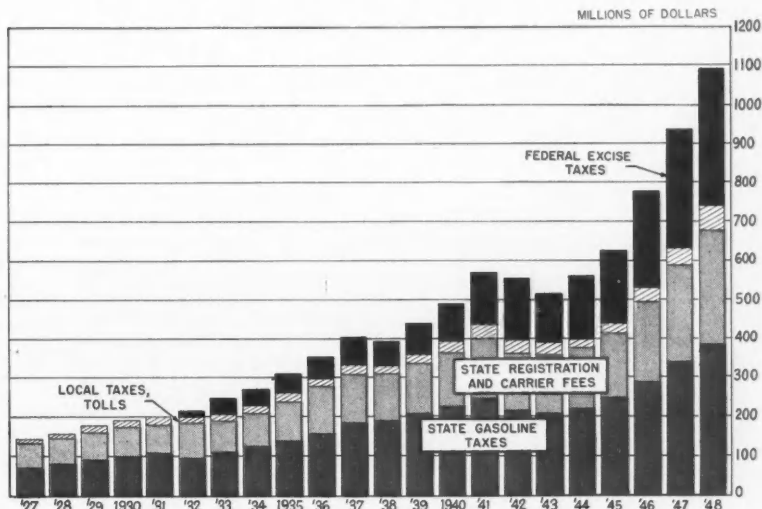
②—Estimated from data compiled by the Board of Investigation and Research.

③—Estimated by Automobile Manufacturers Association from various special surveys by the U. S. Public Roads Administration. Includes both private and public toll facilities.

④—Bureau of Internal Revenue and Public Roads Administration. Not a road tax.



# 1948 Special Truck Taxes Exceed \$1,088,000,000



## Special Taxes per Motor Truck Average \$151

Personal property taxes on trucks in operation, income and property taxes on garages, terminals, repair shops, and trucking companies are not included.

### SPECIAL TAXES FOR HIGHWAY PURPOSES (In Thousands of Dollars)

	State Registration Fees ①	State Motor Carrier & Trailer Fees ②	State Gasoline Tax ③	Special City & County Taxes ④	Bridge, Tunnel, Ferry, Road Tolls ⑤	Total Special Road Taxes	Federal Excise Taxes ⑥	Total Special Taxes	Average per Truck Registered
1929...	\$72,823	\$1,607	\$93,308	\$1,477	\$13,600	\$182,815	—	\$182,815	\$53.64
1930...	78,789	1,955	98,691	1,659	14,300	195,394	—	195,394	55.53
1931...	76,616	2,758	103,391	1,849	15,000	199,614	—	199,614	57.20
1932...	74,046	8,577	97,596	2,102	13,800	196,121	\$18,732	214,853	65.97
1933...	68,659	11,683	103,076	2,103	13,800	199,321	50,263	249,584	76.90
1934...	78,988	12,195	116,827	2,290	14,700	225,000	49,986	274,986	80.16
1935...	84,186	15,524	135,014	2,775	15,600	253,099	56,609	309,708	84.25
1936...	95,047	19,233	156,118	3,128	16,800	290,326	67,182	357,508	89.34
1937...	104,790	21,791	180,095	3,366	17,900	327,942	74,619	402,561	94.74
1938...	101,885	22,088	184,932	3,788	18,100	330,793	66,096	396,889	94.26
1939...	107,968	24,582	205,009	4,292	21,000	362,851	78,394	441,245	100.13
1940...	111,891	26,504	223,581	4,756	24,000	390,732	101,953	492,685	107.33
1941...	124,815	31,450	241,714	5,409	26,500	429,868	142,878	572,746	117.87
1942...	117,849	32,799	216,298	5,584	21,700	394,230	161,752	555,982	120.65
1943...	116,136	34,422	206,672	4,983	17,500	379,713	138,325	518,038	115.63
1944...	118,358	36,427	219,890	4,695	18,000	397,370	163,213	560,583	124.21
1945...	129,326	39,884	242,966	5,024	21,000	438,200	186,501	624,701	129.21
1946...	160,911	48,347	284,003	6,185	28,300	527,746	242,285	770,031	134.49
1947...	197,801	57,049	330,000	7,256	31,000	623,106	304,104	927,210	142.37
1948...	235,315	66,438	375,000	8,010	33,800	718,563	370,318	1,088,881	150.66

①—Includes truck share of miscellaneous receipts. Based on data from U. S. Public Roads Administration.

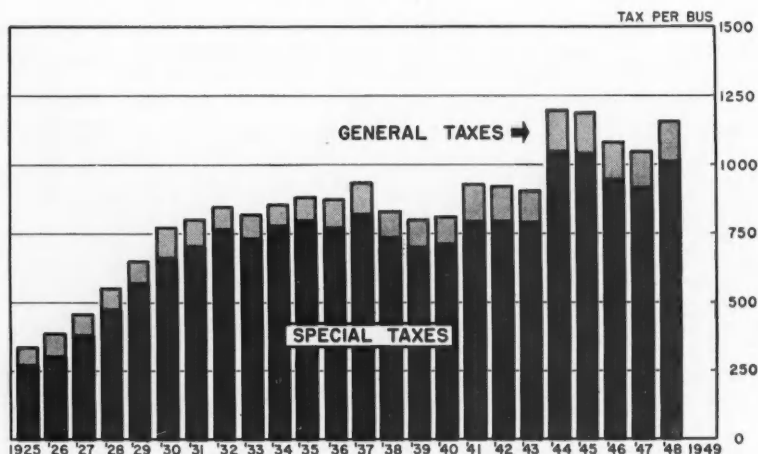
②—Estimated payments of motor carrier fees paid by buses have been deducted. Based on data from U. S. Public Roads Administration.

③—Estimated from data of U. S. Public Roads Administration and American Petroleum Institute.

④—Estimated by Automobile Manufacturers Association from various special surveys by the U. S. Public Roads Administration. Includes both private and public toll facilities.

⑤—Estimated from data of U. S. Bureau of Internal Revenue. Not a road tax.

## Special Taxes Total \$1030 Per Bus in 1948



### Revenue Buses Paid \$91,579,000 Special Taxes, 1948

Figures from National Association of Motor Bus Operators

	Special Taxes	General Taxes*	Total Bus Taxes*	Special Taxes Per Bus	General Taxes Per Bus	Total Taxes Per Bus	Special Tax Per Bus Per Mile of Highway Used
1926 .....	\$13,100,000	\$ 3,000,000	\$16,100,000	\$ 311.65	\$ 71.37	\$ 383.02	\$ 55.36
1927 .....	16,800,000	3,300,000	20,100,000	386.33	75.89	462.22	64.28
1928 .....	21,200,000	3,800,000	25,000,000	474.61	85.07	559.68	74.16
1929 .....	26,500,000	4,500,000	31,000,000	576.04	97.82	673.86	81.25
1930 .....	31,200,000	4,900,000	36,100,000	677.00	106.32	783.32	90.87
1931 .....	32,525,000	4,125,000	36,650,000	716.41	90.86	807.27	88.62
1932 .....	34,500,000	4,150,000	38,650,000	766.67	92.22	858.89	90.93
1933 .....	33,470,000	4,030,000	37,500,000	743.77	89.56	833.33	81.64
1934 .....	33,300,000	3,980,000	37,280,000	774.42	92.56	866.98	82.91
1935 .....	35,625,000	4,750,000	40,375,000	791.66	105.56	897.22	89.05
1936 .....	38,475,500	5,125,500	43,601,000	785.22	104.60	889.82	97.18
1937 .....	43,231,000	5,761,000	48,992,000	839.43	111.87	951.30	109.90
1938 .....	38,545,086	5,156,825	43,701,911	748.45	100.13	848.58	101.48
1939 .....	35,994,440	5,889,560	41,884,000	698.24	113.67	811.91	100.35
1940 .....	38,028,340	6,190,660	44,219,000	704.23	114.64	818.87	110.77
1941 .....	46,575,450	6,959,550	53,535,000	808.88	120.87	929.75	148.30
1942 .....	56,369,910	8,423,090	64,793,000	807.59	120.68	928.27	142.71
1943 .....	59,323,000	8,677,000	68,000,000	800.42	117.08	917.50	136.50
1944 .....	81,220,000	11,880,000	93,100,000	1,058.83	154.44	1,210.27	209.40
1945 .....	78,834,000	11,530,000	90,364,000	1,051.75	153.83	1,205.58	190.15
1946 .....	74,702,000	10,926,000	85,628,000	957.47	140.04	1,097.51	176.73
1947 .....	82,458,000	12,061,000	94,519,000	958.81	140.24	1,099.05	181.05
1948 .....	91,579,000	13,395,000	104,974,000	1,029.55	150.59	1,180.14	190.79

\* Does not include income and excess profits taxes.



## Special Motor User Taxes are 28% of Total State Tax Revenues

NOTE: Data are for 1948 Fiscal Year. Total State Taxes Exclude Unemployment Taxes. Motor User Taxes Do Not Include Sales Taxes Paid on Motor Vehicles, Parts, Fuels, Etc.

State	State Tax Revenue Other Than Unemployment Compensation Tax (000)	State Tax On Motor Vehicle Fuels (000)	State License Tax On Motor Vehicle Operators (000)	State License Tax On Motor Vehicle Operators (000)	Total State Motor Vehicle Fuel and License Taxes (000)	% Motor Vehicles To Total State Taxes
Ala.	\$ 95,949	\$ 25,010	\$ 7,003	\$ 88	\$ 32,101	33.5
Ariz.	50,468	8,917	2,534	51	11,502	22.8
Ark.	*	18,898	5,779	522	25,199	*
Calif.	698,736	120,107	35,914	2,308	158,329	22.7
Colo.	76,357	17,702	4,929	163	22,794	29.9
Conn.	106,946	16,400	6,995	2,407	25,802	24.1
Dela.	14,703	2,814	1,329	116	4,259	29.0
Fla.	130,892	42,894	18,129	1,129	62,152	47.5
Ga.	108,276	36,304	3,938	1,051	41,293	38.1
Idaho.	29,957	10,100	2,041	262	12,403	41.4
Ill.	355,802	49,805	33,441	①	83,246	23.4
Ind.	162,461	33,913	14,337	①	48,250	29.7
Iowa	127,840	23,813	15,964	365	40,142	31.4
Kans.	92,983	19,322	8,807	454	28,583	30.7
Ky.	88,878	23,738	6,518	571	30,827	34.7
La.	141,144	29,186	5,637	443	35,266	25.0
Maine	37,701	11,382	5,070	645	17,097	45.3
Md.	103,110	18,871	8,360	358	27,589	26.8
Mass.	218,803	23,344	6,174	3,234	32,752	15.0
Mich.	354,940	40,598	35,983	1,363	77,944	22.0
Minn.	150,108	24,567	13,023	314	37,904	25.3
Miss.	*	19,819	4,575	278	24,672	*
Mo.	145,273	18,157	15,023	41	33,221	22.9
Mont.	24,682	7,063	1,802	390	9,255	37.5
Nebr.	45,836	17,152	4,068	1,164	22,384	48.8
Nev.	8,461	2,610	1,130	44	3,784	44.7
N. H.	18,722	4,429	3,147	476	8,052	43.0
N. J.	158,942	27,605	30,485	①	58,090	36.5
N. M.	38,652	7,888	3,344	281	11,513	29.8
N. Y.	703,310	76,875	58,422	1,953	137,250	19.5
N. C.	195,355	40,699	16,509	665	57,873	29.6
N. D.	31,141	4,887	3,209	508	8,604	27.6
Ohio	354,190	68,698	38,068	1,270	108,036	30.5
Okla.	132,089	25,895	12,220	914	39,029	29.5
Ore.	88,864	22,524	7,718	489	30,731	34.6
Pa.	375,327	70,343	42,800	4,020	117,163	31.2
R. I.	40,192	5,684	3,439	562	9,685	24.1
S. C.	*	20,976	3,591	264	24,831	*
S. D.	29,352	6,261	3,639		9,900	33.7
Tenn.	*	34,518	9,631	721	44,870	*
Texas.	252,808	64,471	34,049	949	99,469	39.3
Utah.	38,667	6,529	2,131	46	8,706	22.5
Vt.	17,508	4,022	3,430	354	7,806	44.6
Va.	107,285	35,359	10,468	315	46,142	43.0
Wash.	191,162	28,025	6,507	1,896	36,428	19.1
W. Va.	91,275	14,708	7,649	517	22,874	25.1
Wis.	179,280	28,523	19,963	215	48,701	36.8
Wyo.	13,667	3,844	1,678	127	5,649	41.3
Total, 1948②	\$6,807,000	\$1,265,000	\$625,000	①	\$1,890,000	27.8
Total, 1947	5,776,000	1,118,000	541,000	①	1,656,000	28.7
Total, 1946	4,980,000	887,000	461,000	①	1,348,000	27.1

\*—Not Available. ①—Operator's license tax included with motor vehicle tax. ②—Preliminary total includes estimates for items not reported. SOURCE: U. S. Bureau of the Census.

# State Motor Vehicle Fees and Gasoline Taxes

	IN THOUSANDS OF DOLLARS			Registration Fees Including Special Motor Carrier Taxes		
	Gasoline Taxes					
	1941	1947	1948	1941	1947	1948
Ala.....	\$18,401	\$25,761	\$28,226	\$ 6,853	\$ 9,218	\$ 9,570
Ariz.....	5,362	8,386	9,389	1,577	3,062	3,586
Ark.....	13,219	18,491	20,067	3,939	5,563	6,317
Calif.....	58,094	95,063	127,199	35,815	63,795	96,763
Colo.....	8,833	16,328	18,377	3,812	5,373	6,036
Conn.....	11,804	13,611	17,169	8,586	10,088	10,464
Dela.....	2,504	2,729	2,939	1,456	1,493	1,641
Fla.....	30,397	41,681	45,286	9,800	17,287	19,361
Ga.....	26,086	34,044	36,712	3,061	6,647	4,944
Idaho.....	5,218	8,538	9,384	1,615	2,251	2,568
Ill.....	45,261	46,538	52,620	26,567	30,131	34,292
Ind.....	29,244	33,281	36,533	13,040	13,272	15,566
Iowa.....	15,400	22,954	24,502	14,646	15,732	18,483
Kans.....	11,389	19,023	20,397	6,372	7,856	8,503
Ky.....	16,180	21,666	28,795	6,517	10,548	12,158
La.....	21,562	27,487	33,902	3,635	5,891	5,705
Maine.....	6,654	9,789	11,782	4,456	5,129	5,823
Md.....	13,070	16,574	20,064	7,830	10,442	14,374
Mass.....	22,536	22,882	23,968	8,043	9,008	9,398
Mich.....	35,504	39,030	42,062	27,787	32,039	35,932
Minn.....	19,055	23,405	25,864	19,577	11,875	17,063
Miss.....	13,753	19,061	20,427	3,672	4,874	5,791
Mo.....	14,451	16,626	17,723	12,665	14,354	15,383
Mont.....	5,471	6,869	7,485	1,863	2,202	2,676
Nebr.....	12,357	16,732	18,243	3,227	5,147	4,621
Nev.....	1,708	2,393	2,541	722	1,117	1,185
N. H.....	3,716	4,265	4,551	3,295	3,523	3,745
N. J.....	26,306	26,974	28,627	24,453	28,773	31,078
N. M.....	5,102	7,542	8,445	2,485	3,457	3,926
N. Y.....	74,520	76,161	81,343	54,004	59,025	65,399
N. C.....	31,931	41,109	44,390	10,361	15,721	18,122
N. D.....	3,625	7,357	5,469	2,071	2,659	3,585
Ohio.....	58,113	66,445	69,800	34,106	41,185	45,042
Okla.....	18,976	25,890	26,864	7,115	11,348	13,191
Ore.....	13,011	18,875	20,905	6,080	9,570	9,602
Pa.....	64,872	69,953	78,148	41,333	43,616	47,596
R. I.....	4,275	4,960	5,772	3,438	3,807	4,068
S. C.....	16,060	20,590	22,443	3,045	4,197	4,653
S. D.....	4,617	6,176	6,668	2,348	2,920	3,623
Tenn.....	25,399	34,755	38,950	7,198	10,058	10,216
Texas.....	52,768	66,854	73,748	26,848	43,262	51,934
Utah.....	4,370	6,257	6,895	1,335	1,965	2,211
Vt.....	2,930	3,511	4,112	2,750	3,177	3,798
Va.....	22,896	33,410	36,771	8,854	10,333	11,475
Wash.....	19,334	25,860	27,906	5,653	8,306	14,819
W. Va.....	11,559	13,706	15,982	7,320	10,600	12,490
Wis.....	22,926	27,546	29,426	16,703	21,955	20,941
Wyo.....	3,014	4,135	4,688	981	1,787	1,968
D. of C.....	3,479	5,062	6,519	2,253	2,459	3,498
<b>Total....</b>	<b>\$957,312</b>	<b>\$1,206,305</b>	<b>\$1,350,028</b>	<b>\$511,242</b>	<b>\$646,097</b>	<b>\$755,183</b>

SOURCE: Public Roads Administration.

## \$51.82 Average Special State Taxes per Vehicle, 1948

	Number of Registered Private and Commercial Motor Vehicles	Receipts from State Registrations and Motor Carrier Fees (000)	Average State Registration and Motor Carrier Fees per Vehicle	Revenue from State Motor Fuel Tax (000)	Average State Motor Fuel Tax Receipts per Vehicle	Average State Motor Vehicle and Fuel Tax Receipts per Vehicle	Rank of State
Ala.....	533,074	\$ 9,570	\$17.95	\$ 28,226	\$52.95	\$70.90	8
Ariz.....	210,997	3,586	17.00	9,389	44.50	61.50	14
Ark.....	382,433	6,317	16.52	20,067	52.47	68.99	10
Calif.....	3,748,307	96,763	25.82	127,199	33.94	59.76	18
Colo.....	462,336	6,036	13.06	18,377	39.75	52.81	28
Conn.....	625,479	10,464	16.73	17,169	27.45	44.18	41
Del.....	87,056	1,641	18.85	2,939	33.76	52.61	29
Fla.....	770,935	19,361	25.11	45,286	58.74	83.85	1
Ga.....	707,817	4,944	6.98	36,712	51.87	58.85	21
Idaho.....	217,569	2,568	11.80	9,384	43.13	54.93	25
Ill.....	2,205,066	34,292	15.55	52,620	23.86	39.41	44
Ind.....	1,295,457	15,566	12.02	36,533	28.20	40.22	43
Iowa.....	687,196	18,483	20.83	24,502	27.62	48.45	32
Kan.....	749,765	8,503	11.34	20,397	27.20	38.54	47
Ky.....	608,822	12,158	19.97	28,795	47.30	67.27	11
La.....	512,589	5,705	11.13	33,902	66.14	77.27	2
Maine.....	248,717	5,823	23.41	11,782	47.37	70.78	9
Md.....	569,082	14,374	25.26	20,064	35.26	60.52	16
Mass.....	1,098,793	9,398	8.55	23,968	21.81	30.36	48
Mich.....	1,979,329	35,932	18.15	42,062	21.25	39.40	45
Minn.....	968,478	17,063	17.62	25,864	26.71	44.33	39
Miss.....	390,974	5,791	14.81	20,427	52.25	67.06	12
Mo.....	1,104,130	15,383	13.93	17,723	16.05	29.98	49
Mont.....	215,793	2,676	12.40	7,435	34.45	46.85	34
Nebr.....	503,815	4,621	9.17	18,243	36.21	45.38	36
Nev.....	60,999	1,185	19.43	2,541	41.66	61.09	15
N. H.....	156,975	3,745	23.86	4,551	28.99	52.85	27
N. I.....	1,317,719	31,078	23.58	28,627	21.72	45.30	37
N. M.....	173,618	3,926	22.61	8,445	48.64	71.25	7
N. Y.....	3,155,891	65,399	20.72	81,343	25.77	46.49	35
N. C.....	831,706	18,122	21.79	44,390	53.37	75.16	3
N. D.....	233,544	3,585	15.35	5,469	23.42	38.77	46
Ohio.....	2,396,548	45,042	18.79	69,800	29.12	47.91	33
Okla.....	673,240	13,191	19.59	26,864	39.90	59.49	19
Ore.....	564,777	9,602	17.00	20,905	37.01	54.01	26
Pa.....	2,542,632	47,596	18.72	78,148	30.74	49.46	30
R. I.....	222,049	4,068	18.32	5,772	35.99	44.31	40
S. C.....	476,542	4,653	9.76	22,443	47.10	56.86	22
S. D.....	246,421	3,623	14.70	6,668	27.06	41.76	42
Tenn.....	660,340	10,216	15.47	38,950	58.98	74.45	4
Texas.....	2,271,970	51,934	22.86	73,748	32.46	55.32	24
Utah.....	205,113	2,211	10.78	6,895	33.62	44.40	38
Vt.....	110,673	3,798	34.32	4,112	37.15	71.41	5
Va.....	758,297	11,475	15.13	36,771	48.49	63.62	13
Wash.....	771,728	14,819	19.20	27,906	36.16	55.36	23
W. Va.....	399,491	12,490	31.26	15,982	40.01	71.27	6
Wis.....	1,028,150	20,941	20.37	29,426	28.62	48.99	31
Wyo.....	112,820	1,968	17.44	4,688	41.55	58.99	20
D. of C.....	167,010	3,498	20.94	6,519	39.03	59.97	17
Total.....	40,622,264	755,183	18.59	1,350,028	33.23	51.82	

NOTE—The method followed in compiling this table, i.e., dividing highway-user revenues of each state by the number of vehicles registered therein, makes no allowance for taxes paid by operators of vehicles registered in other states.

SOURCE: U. S. Public Roads Administration.

# 1948 Federal Automotive Excise Taxes by States

State	Gasoline	Lubricating Oil	Auto-mob-iles	Trucks	Tires and Tubes	Parts and Acces-sories	Totals
Ala.....	\$ 6,835,165	\$ 569,597	\$ 3,195,293	\$ 2,929,131	\$ 2,447,737	\$ 1,987,039	\$ 17,963,962
Ariz.....	2,884,972	240,414	1,019,188	786,526	1,033,136	838,685	6,802,921
Ark.....	4,438,419	369,868	1,680,284	2,400,260	1,589,439	1,290,285	11,768,555
Cal.....	41,721,138	3,476,761	21,485,594	8,380,568	14,940,730	12,128,682	102,133,473
Colo.....	4,349,651	362,471	2,203,681	1,613,734	1,557,651	1,264,480	11,351,638
Conn.....	5,991,866	499,322	3,994,117	1,301,836	2,145,743	1,741,885	15,674,769
Del.....	1,065,221	88,768	798,823	420,384	381,465	309,668	3,064,329
Fla.....	10,030,827	835,902	4,242,027	2,562,989	3,592,133	2,916,045	24,179,923
Ga.....	9,098,759	758,230	4,710,303	3,688,535	3,258,351	2,645,085	24,159,263
Ida.....	2,219,210	184,934	1,156,917	1,084,863	794,720	645,143	6,085,787
Ill.....	26,009,135	2,167,428	19,034,032	6,902,442	9,314,115	7,561,072	70,988,224
Ind.....	13,714,715	1,142,893	7,988,233	3,566,488	4,911,368	3,986,981	35,310,678
Iowa.....	9,720,138	810,011	5,454,035	3,458,001	3,480,872	2,825,725	25,748,782
Kan.....	6,835,165	569,597	3,856,389	2,915,570	2,447,737	1,987,039	18,611,497
Ky.....	7,012,702	584,392	3,388,113	2,902,009	2,511,314	2,038,651	18,437,181
La.....	6,169,402	514,117	3,553,387	2,101,922	2,209,321	1,793,497	16,341,646
Maine.....	2,529,899	210,825	1,377,282	976,377	905,980	735,463	6,735,826
Md.....	5,903,097	491,925	4,159,391	1,735,781	2,113,954	1,716,079	16,120,227
Mass.....	11,273,584	939,465	8,070,870	2,346,017	4,037,176	3,277,325	29,944,437
Mich.....	21,171,259	1,764,272	19,805,310	5,180,222	7,581,625	6,154,661	61,687,349
Minn.....	9,808,906	817,409	6,060,039	3,146,103	3,512,661	2,851,530	26,196,648
Miss.....	4,793,493	399,458	2,231,196	2,373,138	1,716,595	1,393,508	12,907,388
Mo.....	12,516,342	1,043,028	7,354,684	4,136,041	4,482,219	3,638,604	33,170,918
Mont.....	2,307,978	192,331	1,432,373	1,369,640	826,508	670,948	6,799,778
Nebr.....	5,370,487	447,541	2,782,109	2,183,287	1,923,222	1,561,245	14,267,891
Nev.....	843,300	70,275	385,639	216,973	301,994	245,154	2,063,335
N. H.....	1,553,447	129,454	826,369	501,749	556,304	451,600	4,018,923
N. J.....	13,492,794	1,124,399	9,227,787	3,308,833	4,831,896	3,922,467	35,908,176
N. M.....	2,441,130	203,428	853,915	800,087	874,192	709,657	5,882,409
N. Y.....	28,760,985	2,396,746	26,691,718	8,177,156	10,299,567	8,361,049	84,687,191
N. C.....	10,341,516	861,793	4,710,303	3,674,974	3,703,394	3,006,365	26,298,345
N. D.....	1,730,983	144,249	1,046,734	1,084,863	619,881	503,211	5,129,921
Ohio.....	26,053,519	2,171,127	17,381,294	6,251,524	9,330,009	7,573,975	68,761,448
Okl.....	6,790,781	565,898	3,553,387	2,956,252	2,431,842	1,974,136	18,272,296
Ore.....	5,903,097	491,925	3,112,657	2,034,118	2,113,954	1,716,079	15,371,830
Penna.....	28,006,424	2,333,869	20,328,677	7,892,380	10,029,362	8,141,700	76,732,412
R. I.....	2,086,057	173,838	1,570,101	596,675	747,037	606,434	5,780,142
S. C.....	5,370,487	447,541	2,424,016	1,640,856	1,923,221	1,561,245	13,367,366
S. D.....	1,908,520	159,043	1,129,371	1,030,620	683,459	554,823	5,465,836
Tenn.....	7,456,544	621,379	4,737,849	3,498,684	2,670,258	2,167,679	21,152,393
Texas.....	27,296,277	2,274,690	13,276,995	8,868,757	9,775,052	7,935,254	69,427,025
Utah.....	2,529,899	210,825	1,101,825	786,526	905,980	735,463	6,270,518
Vt.....	1,198,373	99,864	716,186	569,583	429,149	348,377	3,361,502
Va.....	8,876,838	739,737	5,784,583	3,078,299	3,178,879	2,580,570	24,238,906
Wash.....	7,944,770	662,064	4,269,573	2,359,577	2,845,096	2,309,611	20,390,691
W. Va.....	4,615,956	384,663	1,983,286	1,586,612	1,653,017	1,341,897	11,565,431
Wis.....	10,918,511	909,876	6,638,498	3,064,738	3,910,021	3,174,102	28,615,746
Wyo.....	1,553,447	129,454	688,641	637,387	556,304	451,600	4,016,803
D. of Col.	2,396,746	199,729	1,983,285	528,871	858,297	696,754	6,663,682

Total... \$443,841,901 \$36,986,825 \$275,456,329 \$135,607,898 \$158,943,937 \$129,028,527 \$1,179,865,417

NOTE: Estimated by prorating total Federal collections of excise taxes on cars and trucks by states according to registrations of new cars and trucks; excise taxes on gasoline and lubricating oil according to gasoline consumption by states; and excise taxes on tires and parts according to motor vehicle registrations by states.

SOURCE: Estimated by National Highway Users Conference.

## \$1,157,000,000 in Federal Excise Taxes Paid by Motorists, 1948

	Gasoline ①	Oil ①	Tires & Tubes ②	Automobiles & Motorcycles ②	Trucks ②	Parts & Accessories ②	Total
1932 . . .	56,870,043	4,099,103	7,545,071	4,221,263	720,155	1,900,111	75,355,749
1933 . . .	163,919,018	12,927,982	23,836,119	22,475,888	3,046,827	4,443,072	230,648,906
1934 . . .	153,948,889	14,409,223	24,704,077	31,533,517	5,261,205	5,886,004	235,742,915
1935 . . .	155,897,545	16,714,973	28,102,445	42,262,454	6,674,269	7,019,010	256,670,696
1936 . . .	168,820,507	16,811,617	38,241,552	56,475,924	8,044,343	8,747,945	297,141,888
1937 . . .	183,737,970	19,535,322	40,088,006	64,721,886	8,811,653	9,619,924	326,514,761
1938 . . .	181,797,122	17,687,295	26,771,719	29,405,043	5,230,379	7,067,611	267,959,169
1939 . . .	198,410,360	17,305,162	41,131,327	51,063,558	7,144,897	8,956,583	324,011,887
1940 . . .	258,631,948	19,963,630	45,091,094	71,275,161	9,285,244	12,147,151	416,394,228
1941 . . .	341,187,349	25,434,078	71,858,422	101,463,602	14,253,275	18,561,869	572,758,595
1942 . . .	300,317,128	23,882,339	25,356,783	26,889,597	13,329,541	26,120,834	626,054,686*
1943 . . .	228,452,647	22,845,265	31,947,997	1,086,456	1,798,380	25,063,619	445,813,643*
1944 . . .	236,587,219	24,644,502	47,731,020	1,559,803	10,120,187	37,400,000	486,097,168*
1945 . . .	275,745,139	26,719,490	64,824,856	4,664,981	11,806,899	48,700,000	556,962,648*
1946 . . .	369,346,000	34,199,000	158,723,886	111,658,900	42,517,572	81,111,431	798,405,301*
1947 . . .	400,031,000	35,090,000	170,061,000	244,332,000	74,969,000	114,888,000	1,039,373,000*
1948 ③ . . .	432,000,000	36,000,000	158,000,000	275,000,000	130,000,000	126,000,000	1,157,000,000

\*Includes Federal motor vehicle use tax; 1942—210,158,464; 1943—134,619,279; 1944—128,054,437; 1945—124,501,283; 1946—848,532; 1947—2,000.

① Highway Users' Share.      ② Estimated amounts paid on U. S. Government purchases are excluded.

③ Preliminary estimate.

SOURCE: U. S. Public Roads Administration.

## Revenues and Expenditures for Streets and Highways in Large Cities

In Thousands	1941	1942	1943	1944	1945	1946	1947
<b>CITIES 250,000 POPULATION AND OVER</b>							
<b>Revenues (Certain Types Only)</b>							
Taxes on Motor Fuel . . . . .	①	\$ 6,671	\$ 5,247	\$ 4,602	\$ 4,555	\$ 5,642	\$ 6,710
Vehicle & Operators Licenses \$	9,657	9,689	8,457	7,909	8,161	9,045	10,024
Parking Meters . . . . .	1,967	2,358	2,317	2,298	2,334	2,588	2,964
Highway Aid from State . . . . .	26,509	26,727	19,772	21,685	25,785	31,833	38,966
<b>Expenditures:</b>							
Capital Outlay ① . . . . .	①	44,000	29,000	22,377	26,628	41,326	83,281
New Construction ① . . . . .	①	①	①	18,167	18,465	30,559	55,668
<b>Operation:</b>							
Roadways . . . . .	37,535	37,073	34,678	37,682	39,101	44,390	56,623 ①
Snow and Ice Removal . . . . .	4,675	2,886	4,146	3,533	7,638	5,216	9,417
Street Lighting . . . . .	27,994	27,466	27,517	28,069	28,836	29,269	30,426
Bridges, Tunnels, etc. . . . .	5,836	5,538	5,635	6,314	6,909	7,626	①
Supervision . . . . .	2,349	2,262	1,899	②	②	②	②
Other . . . . .	470	622	576	810	702	781	1,358
<b>Total . . . . .</b>		<b>78,859</b>	<b>78,847</b>	<b>74,481</b>	<b>76,408</b>	<b>83,186</b>	<b>87,282</b>
						<b>87,282</b>	<b>97,824</b>

### CITIES 25,000 POPULATION AND OVER ①

<b>Expenditures:</b>							
Capital Outlay ① . . . . .	①	56,010	37,168	29,024	34,373	64,096	122,251
New Construction ① . . . . .	①	①	24,889	22,899	26,877	49,989	90,180
Operation . . . . .	①	134,759	136,008	139,996	154,395	164,438	186,103

①—Not available.      ②—"Supervision" was segregated among the several activities in 1944 and following years.

③—Includes data shown for cities 250,000 population and over.

④—"Capital Outlay" includes "New Construction" plus purchase of land and existing structures, and equipment. Capital expenditures for street lighting, snow removal, sidewalks and curbs are included.

⑤—"Bridge Tunnels, etc.," included with "Roadways."

SOURCE: U. S. Department of Commerce, Bureau of the Census, Governments Division.

## 1948 State Sales Taxes on Auto Products \$239 Millions

IN THOUSANDS OF DOLLARS	New Passenger Cars	New Trucks	Used Cars and Trucks	Parts and Access- ories	Tires and Tubes	Lubri- cating Oil	Gasoline (4)	Total
Alabama....	\$ 350	\$ 208	①	\$1,345	\$ 336	\$ 187③	—	\$ 2,426
Arizona.....	481	235	\$ 297	526	128	91	—	1,758
Arkansas....	731	673	①	959	254	138	—	2,755
California....	12,671	3,111	6,556	11,946	2,652	1,689	—	38,625
Colorado....	979	464	628	1,168	284	146	—	3,669
Connecticut..	1,580	325	867	2,144	322	185	—	5,423
Delaware....	17	6	10	11	3	2	\$ 67	116
Illinois.....	7,967	1,978	1,123	2,723	1,205	821	6,706	22,523
Indiana.....	842	241	125	793	181	108	952	3,242
Iowa.....	2,344	962	372	2,231	512	298	—	6,719
Kansas.....	1,674	817	278	1,891	462	216	—	5,338
Kentucky....	2,171②	1,197②	—	—	—	—	—	3,368
Louisiana....	1,243	479	753	1,021	248	160	—	3,904
Maryland....	1,791②	475②	—	1,476	337	191	—	4,270
Michigan....	12,417	2,092	6,796	7,385	1,596	1,026	8,438	39,750
Mississippi..	490	338	361	962	255	160	1,324	3,890
Missouri....	3,158	1,148	1,948	2,770	655	420	—	10,099
New Mexico..	193	117	132	438	110	81	—	1,071
N. Carolina..	3,058	1,547	①	3,101	733	503	—	8,942
N. Dakota....	467	312	338	597	154	68	—	1,936
Ohio.....	10,955	2,536	6,271	9,047	1,970	1,268	—	32,047
Oklahoma....	1,559	842	1,053	1,685	411	224	—	5,774
Rhode Island	337	82	190	273	60	34	—	976
S. Dakota....	500	296	346	617	151	84	—	1,994
Tennessee...	2,047	978	339	1,647	393	252	—	5,656
Texas.....	2,984②	1,296②	—	—	—	—	—	4,280
Utah.....	500	232	310	506	119	85	—	1,752
Virginia.....	250	84	151	191	45	29	225	975
Washington..	3,274	1,141	1,830	3,155	736	430	298	10,864
W. Virginia..	908	537	725	1,196	291	192	322	4,171
Wyoming....	307	183	212	275	69	57	—	1,103
<b>Total.....</b>	<b>78,245</b>	<b>24,932</b>	<b>32,011</b>	<b>62,079</b>	<b>14,672</b>	<b>9,145</b>	<b>18,322</b>	<b>239,406</b>

①—Used motor vehicles are exempt from payment of sales tax.

②—Kentucky has no sales tax law, but there is a motor usage tax law whereby a 3 percent use tax is levied at time of first registration in the state. Texas has no sales tax but imposes a 1 percent tax on the sale, use or transfer of motor vehicles. Maryland exempts motor vehicles from sales tax but levies a 2 percent excise tax at time of issuance of original certificate of title.

③—Lubricating oil is exempt from sales tax in Alabama but there is a special excise tax on lubricating oil of 2 cents per gallon. Figure shown here is an estimate of the revenue derived from this tax.

④—Gasoline is exempt from general sales tax in most states.

NOTE: No attempt has been made to estimate sales taxes on other automotive products and services such as repairs, second-hand parts, garaging, lubricants other than oil, etc.

SOURCE: Estimated by Automobile Manufacturers Association.

# 79% of State Highway Funds From State Motor Taxes, 1947

## Sources of Funds Expended for State Administered Highways, Exclusive of Income From Bond Issues

### AMOUNTS—IN THOUSANDS OF DOLLARS

	Highway User Revenues ①	Federal Aid (Regular)	General Taxes and Appropriations	Other ②	Total ③
1921.....	\$103,592	\$ 77,457	\$ 69,721	\$ 40,400	\$291,170
1922.....	113,113	79,741	65,860	102,995	361,709
1923.....	162,949	72,343	61,810	82,252	379,354
1924.....	222,628	91,401	38,367	101,348	453,744
1925.....	289,173	92,180	54,880	86,790	523,023
1926.....	358,855	79,163	48,147	83,197	569,362
1927.....	416,725	80,160	49,565	96,412	642,862
1928.....	493,299	80,798	54,424	99,322	727,843
1929.....	565,351	77,573	71,737	85,917	800,578
1930.....	700,911	92,463	43,318	77,963	914,385
1931.....	639,586	155,344	35,438	131,655	962,023
1932.....	574,689	111,409	31,588	75,982	793,668
1933.....	498,231	175,244	27,713	35,101	736,289
1934.....	579,276	317,615	11,165	56,735	964,991
1935.....	589,816	215,239	7,843	33,229	846,127
1936.....	663,886	328,638	5,133	41,698	1,039,355
1937.....	832,039	266,275	2,985	29,317	1,130,616
1938.....	810,087	199,066	5,962	24,286	1,039,403
1939.....	845,863	175,858	3,448	40,873	1,066,042
1940.....	761,569	160,576	4,726	28,912	955,783
1941.....	850,243	149,109	4,122	32,768	1,036,242
1942.....	745,694	122,108	5,944	31,444	905,150
1943.....	645,739	119,494	22,266	15,812	803,311
1944.....	679,883	77,792	6,570	15,882	780,127
1945.....	787,947	51,525	42,782	21,172	903,426
1946.....	1,059,413	137,829	96,240	30,509	1,323,812
1947.....	1,143,058	258,547	17,607	36,628	1,455,840

### PERCENTAGES

	Highway User Revenues ①	Federal Aid (Regular)	General Taxes and Appropriations	Other ②	Total ③
1921.....	35.6%	26.6%	23.9%	13.9%	100.0%
1922.....	31.3	22.0	18.2	28.5	100.0
1923.....	42.9	19.1	16.3	21.7	100.0
1924.....	49.1	20.1	8.5	22.3	100.0
1925.....	55.3	17.6	10.5	16.6	100.0
1926.....	63.0	13.9	8.5	14.6	100.0
1927.....	64.8	12.5	7.7	15.0	100.0
1928.....	67.8	11.1	7.5	13.6	100.0
1929.....	70.6	9.7	9.0	10.7	100.0
1930.....	76.7	10.1	4.7	8.5	100.0
1931.....	66.5	16.1	3.7	13.7	100.0
1932.....	72.4	14.0	4.0	9.6	100.0
1933.....	67.7	23.8	3.8	4.7	100.0
1934.....	60.0	32.9	1.2	5.9	100.0
1935.....	69.7	25.4	.9	3.9	100.0
1936.....	63.9	31.6	.5	4.0	100.0
1937.....	73.6	23.6	.3	2.6	100.0
1938.....	77.9	19.2	.6	2.3	100.0
1939.....	79.3	16.5	.3	3.8	100.0
1940.....	79.7	16.8	.5	3.0	100.0
1941.....	82.1	14.4	.4	3.2	100.0
1942.....	82.4	13.5	.7	3.5	100.0
1943.....	80.4	14.9	2.8	2.0	100.0
1944.....	87.2	10.0	.8	2.0	100.0
1945.....	87.2	5.7	4.7	2.3	100.0
1946.....	80.0	10.4	7.3	2.3	100.0
1947.....	78.5	17.8	1.2	2.5	100.0

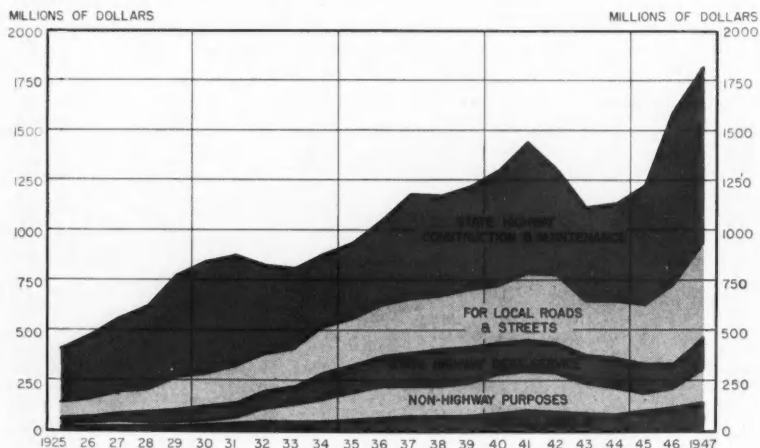
①—This column presents only that portion of highway user revenues (registration fees, motor carrier, and gasoline taxes) which was used for state administered highways, and a portion of tolls collected. Thus, the \$1,143,058 highway user revenues shown here for 1947 represents only 62% of the total of over \$1,850,000,000 of highway user revenues and tolls disposed of in 1947. The remaining portion of the highway revenues was used for work on local roads and streets, for expenses of collection and administration, and for non-highway purposes.

②—Earnings of bond sinking funds, federal funds other than regular federal aid, transfers from local governments, and miscellaneous income.

③—Excluding income from issue of bonds, notes, etc.

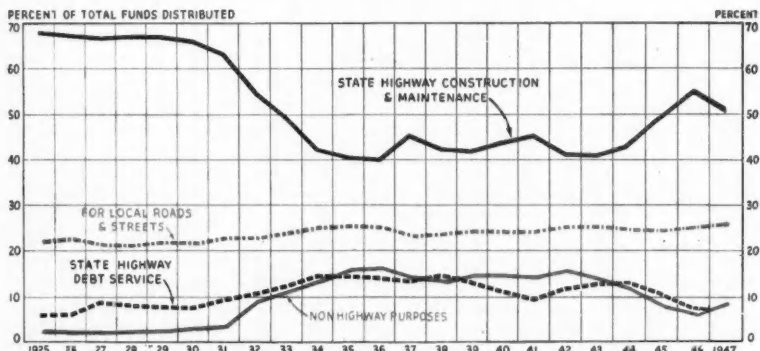
SOURCE: U. S. Public Roads Administration (Table S.F.—3).

## Distribution of Special State Motor Vehicle Taxes



**Over 50% of Special State Motor Vehicle Taxes  
Used for State Highways in 1947**

**Local Roads and Streets Share is 26%**



Charts are Based on Tables on page 55

SOURCE: U. S. Public Roads Administration.



## 61% of Highway User Taxes Expended for State Highways, 1947

### Disposition of Receipts from State Imposts\* on Highway Users

Year	Expenses of Collection and Admin.	FOR STATE HIGHWAY PURPOSES				Total, State Highway Purposes
		Construction Maint. and Adm.	State Park and Forest Roads	State Highway Police	Service of State Highway Obligations	
1925.....	\$11,961	\$276,363	\$ 61	\$ 924	\$ 23,280	\$300,628
1926.....	16,380	320,339	—	492	27,802	348,633
1927.....	15,376	374,199	—	539	46,428	421,166
1928.....	15,875	420,442	—	1,592	49,446	471,480
1929.....	18,226	521,576	251	1,480	56,556	579,863
1930.....	20,319	561,331	251	3,455	62,818	627,885
1931.....	23,065	554,977	201	4,616	79,282	639,076
1932.....	20,707	458,040	1,236	5,597	85,592	580,465
1933.....	27,025	402,337	623	4,547	95,447	502,954
1934.....	28,975	371,916	1,317	8,752	127,912	509,897
1935.....	31,760	375,989	1,269	12,105	134,036	523,399
1936.....	37,942	419,552	1,597	13,967	150,097	585,213
1937.....	42,026	521,800	8,043	19,173	161,751	710,767
1938.....	43,977	490,773	7,698	23,403	171,802	693,676
1939.....	44,478	505,295	4,377	24,393	164,834	698,899
1940.....	46,693	576,295	3,007	26,449	148,728	754,479
1941.....	49,579	653,669	4,157	30,760	144,703	833,289
1942.....	46,056	538,910	3,042	33,816	153,624	729,393
1943.....	44,254	457,003	2,717	31,652	139,723	631,095
1944.....	44,566	484,130	2,264	28,088	150,416	664,898
1945.....	49,560	608,773	3,786	29,983	128,163	770,705
1946.....	58,506	869,120	3,443	39,181	125,314	1,037,058
1947.....	74,174	919,821	11,374	46,141	132,936	1,110,272

Year	For Work On County & Local Roads	For Work on City Streets	Service of Local Highway Obligations	Total	For Non- Highway Purposes	Net Total Funds Distributed
1925....	\$ 80,246	\$ 3,988	\$1,697	\$ 85,931	\$ 7,179	\$405,699
1926....	95,311	5,977	2,711	103,999	6,903	475,885
1927....	109,018	3,797	1,540	114,355	8,793	559,690
1928....	117,780	9,701	—	127,481	12,046	626,882
1929....	151,975	14,189	—	166,164	14,697	778,980
1930....	164,804	12,462	4,541	181,807	20,160	880,141
1931....	170,118	20,080	5,781	195,979	23,600	881,720
1932....	168,889	17,397	4,146	190,432	76,747	838,381
1933....	171,586	17,894	4,071	193,551	91,577	818,107
1934....	190,221	24,850	7,624	222,695	122,150	883,717
1935....	207,716	22,708	7,710	238,134	147,143	940,436
1936....	224,993	31,468	9,035	265,496	169,344	1,057,995
1937....	232,859	43,145	3,772	279,776	163,082	1,195,681
1938....	232,758	42,315	5,516	280,589	157,516	1,178,788
1939....	245,882	46,446	9,557	301,885	181,654	1,226,916
1940....	263,900	51,321	8,110	323,331	196,579	1,321,082
1941....	288,548	58,537	7,019	354,104	215,039	1,452,011
1942....	276,595	57,339	7,843	341,777	204,165	1,321,391
1943....	235,675	44,286	6,612	286,573	155,455	1,117,377
1944....	240,994	44,006	3,938	288,938	138,502	1,136,904
1945....	264,437	47,360	3,884	315,681	99,834	1,235,780
1946....	346,883	62,115	3,664	412,622	94,578	1,602,804
1947....	383,754	93,174	6,849	483,777	170,518	1,838,741

\* Includes only state motor vehicle registration receipts, special state motor carrier taxes, and state gas taxes; does not include toll road, ferry, bridge and tunnel receipts, Federal excise or city and county levies.

SOURCE: U. S. Public Roads Administration (Table DF).

# Total Highway and Street Revenues From All Sources

MILLIONS OF DOLLARS

Year	FEDERAL GOVERNMENT				STATE GOVERNMENT			County and Local Rural Road Agencies	Urban Places	Grand Total	
	PRA Regular Funds	Forest Serv. Nat'l Park	Serv. & Office of Indian Affairs ①	WPA and PWA Misc.	Total	High-way User Revenues	Other ① Revenues				
1921	78	3	—	—	81	119	77	196	400	337	1,014
1922	78	4	—	—	82	133	74	207	400	376	1,068
1923	77	7	—	—	84	185	78	263	403	403	1,153
1924	91	9	—	—	100	238	52	290	401	482	1,273
1925	92	10	—	—	102	387	70	457	437	578	1,574
1926	85	10	—	—	95	453	61	514	499	624	1,732
1927	83	10	—	—	93	536	62	598	534	730	1,955
1928	85	11	—	—	96	599	67	666	550	718	2,030
1929	82	11	—	—	93	746	83	829	525	725	2,172
1930	129	17	—	—	146	810	60	870	528	787	2,331
1931	180	22	—	—	202	835	56	891	493	643	2,229
1932	177	21	—	—	198	741	56	797	389	474	1,858
1933	206	44	57	307	697	41	738	296	373	1,714	
1934	264	61	344	669	733	31	764	251	337	2,021	
1935	253	64	237	554	762	21	783	255	335	1,927	
1936	306	53	679	1,038	851	20	871	260	348	2,517	
1937	276	42	472	790	991	19	1,010	265	335	2,400	
1938	210	37	832	1,079	974	22	996	270	356	2,711	
1939	182	35	712	929	1,001	22	1,023	275	382	2,609	
1940	175	30	546	751	1,078	25	1,103	282	347	2,483	
1941	162	26	349	537	1,187	38	1,225	263	295	2,320	
1942	167	17	146	330	1,071	35	1,106	269	255	1,960	
1943	179	7	—	—	186	918	50	968	205	1,625	
1944	112	7	—	—	119	853	36	889	258	220	1,886
1945	63	11	—	—	74	1,086	76	1,162	277	245	1,758
1946	146	26	—	—	172	1,450	155	1,605	311	309	2,397
1947	285	40	—	—	325	1,594	79	1,673	320	315	2,633
1948	359	38	—	—	397	1,836	80	1,916	330	325	2,968

## PERCENTAGES

Year	FEDERAL GOVERNMENT				STATE GOVERNMENT			County and Local Rural Road Agencies	Urban Places	Grand Total	
	PRA Regular Funds	Forest Serv. Nat'l Park	Serv. & Office of Indian Affairs ①	WPA and PWA Misc.	Total	High-way User Revenues	Other ① Revenues	Total			
1921	7.7	0.3	—	—	8.0	11.7	7.6	19.3	39.5	33.2	100.0
1922	7.3	0.4	—	—	7.7	12.5	6.9	19.4	37.6	35.3	100.0
1923	6.6	0.6	—	—	7.2	6.0	6.8	22.8	35.0	35.0	100.0
1924	7.1	0.7	—	—	7.8	18.7	4.1	22.8	31.5	37.9	100.0
1925	5.9	0.6	—	—	6.5	24.6	4.4	29.0	27.8	36.7	100.0
1926	4.9	0.6	—	—	5.5	26.2	3.5	29.7	28.8	36.0	100.0
1927	4.3	0.5	—	—	4.8	27.4	3.2	30.6	27.3	37.3	100.0
1928	4.2	0.5	—	—	4.7	29.5	3.3	32.8	27.1	35.4	100.0
1929	3.8	0.5	—	—	4.3	34.3	3.8	38.1	24.2	33.4	100.0
1930	5.6	0.7	—	—	6.3	34.7	2.6	37.3	22.6	33.8	100.0
1931	8.1	1.0	—	—	9.1	37.5	2.5	40.0	22.1	28.8	100.0
1932	9.5	1.2	—	—	10.7	39.9	3.0	42.9	20.9	25.5	100.0
1933	12.0	2.5	3.4	—	17.9	40.6	2.4	43.0	17.3	21.8	100.0
1934	13.1	3.0	17.0	—	33.1	36.3	1.5	37.8	12.4	16.7	100.0
1935	13.2	3.3	12.3	—	28.8	39.5	1.1	40.6	13.2	17.4	100.0
1936	12.2	2.1	27.0	—	41.3	33.8	0.8	34.6	10.3	13.8	100.0
1937	11.5	1.7	19.7	—	32.9	41.3	0.8	42.1	11.0	14.0	100.0
1938	7.7	1.4	30.7	—	39.8	35.9	0.8	36.7	10.0	13.5	100.0
1939	7.0	1.3	27.3	—	35.6	38.4	0.8	39.2	10.5	14.7	100.0
1940	7.0	1.2	22.0	—	30.2	43.4	1.0	44.4	11.4	14.0	100.0
1941	7.0	1.1	14.9	—	23.1	51.2	1.6	52.8	11.4	12.7	100.0
1942	8.5	0.9	7.5	—	16.9	54.6	1.8	56.4	13.7	13.0	100.0
1943	11.0	0.4	—	—	11.4	56.5	3.1	59.6	16.4	12.6	100.0
1944	7.1	0.4	—	—	7.5	60.1	2.3	62.4	16.2	13.9	100.0
1945	3.6	0.6	—	—	4.2	61.8	4.3	66.1	15.8	13.9	100.0
1946	6.0	1.0	—	—	7.0	60.6	6.3	67.1	13.0	12.9	100.0
1947	10.8	1.5	—	—	12.3	60.6	3.0	63.6	12.2	12.0	100.0
1948	12.1	1.3	—	—	13.4	61.8	2.7	64.5	11.1	10.9	100.0

Federal and State data are for calendar years. County and Local data are for varying fiscal years, as reported. Data for most recent years are partly-estimated.

①—Includes tolls from roads, bridges and ferries; earnings on debt service fund; and miscellaneous state imposts and revenues.

②—Includes expenditures of Forest Service and National Park Service funds by Public Roads Administration, as well as direct expenditures by the Forest and Park Services.

SOURCE: U. S. Public Roads Administration (Table HF-1).

# Total Highway Expenditures, Federal, State, Local and City

Millions of Dollars STATE HIGHWAYS<sup>①</sup>

Year	Capital Outlay	Maint. and Admin.	Work Relief Const. ②	Inter-est on Hwy. Debt ③	Total
1921	\$ 284	\$ 90	—	\$10	\$ 384
1922	287	108	—	16	411
1923	280	117	—	16	413
1924	382	156	—	20	558
1925	389	182	—	27	598
1926	356	186	—	32	574
1927	404	201	—	34	639
1928	538	186	—	35	759
1929	556	198	—	44	799
1930	713	221	—	49	983
1931	733	197	—	58	988
1932	555	218	—	66	839
1933	514	213	\$ 2	65	794
1934	557	226	13	63	859
1935	420	234	8	65	727
1936	611	280	30	63	984
1937	566	314	5	64	949
1938	535	316	19	62	932
1939	477	288	79	61	905
1940	534	306	65	59	966
1941	524	315	53	60	952
1942	403	291	24	55	773
1943	266	288	—	53	607
1944	211	328	—	50	589
1945	213	369	—	49	631
1946	506	452	—	46	1,004
1947	898	551	—	45	1,494
1948	1,120	624	—	36	1,780

COUNTY AND LOCAL ROADS

Year	Capital Outlay	Maint. and Admin.	Work Relief Const. ②	Inter-est on Hwy. Debt ③	Total
1921	\$337	\$226	—	\$34	\$597
1922	330	225	—	35	590
1923	242	230	—	50	522
1924	256	223	—	55	534
1925	265	226	—	52	543
1926	266	255	—	67	588
1927	289	279	—	75	643
1928	282	297	—	80	659
1929	257	310	—	78	645
1930	297	321	—	82	700
1931	257	294	—	91	642
1932	177	254	—	87	518
1933	115	211	\$ 25	81	432
1934	102	211	150	82	545
1935	116	212	91	75	494
1936	119	234	339	70	762
1937	138	246	221	67	672
1938	152	258	389	64	863
1939	166	262	352	61	841
1940	160	265	295	58	778
1941	138	280	189	51	658
1942	112	276	78	44	510
1943	90	290	—	39	419
1944	80	318	—	35	433
1945	90	355	—	27	472
1946	156	443	—	20	619
1947	245	414	—	20	679
1948	287	446	—	20	753

CITY AND VILLAGE STREETS

Year	Capital Outlay	Maint. and Admin.	Work Relief Const. ②	Inter-est on Hwy. Debt ③	Total
1921	\$191	\$126	—	\$20	\$337
1922	213	134	—	29	376
1923	226	140	—	37	403
1924	285	152	—	45	482
1925	357	171	—	54	582
1926	373	195	—	62	630
1927	453	212	—	69	734
1928	444	210	—	74	728
1929	429	228	—	82	739
1930	478	230	—	91	799
1931	350	225	—	88	663
1932	211	193	—	87	491
1933	138	171	\$ 29	82	420
1934	114	173	172	75	534
1935	120	170	103	68	461
1936	137	182	264	60	643
1937	172	155	203	54	584
1938	174	182	367	55	778
1939	201	175	233	56	665
1940	177	162	167	61	567
1941	137	181	104	58	480
1942	115	189	44	56	404
1943	68	195	—	32	321
1944	74	195	—	52	321
1945	49	225	—	50	324
1946	87	262	—	48	397
1947	111	288	—	48	447
1948	124	348	—	46	518

ALL ROADS AND STREETS

Year	Capital Outlay	Maint. and Admin.	Work Relief Const. ②	Inter-est on Hwy. Debt ③	Grand Total
1921	\$ 815	\$ 442	—	\$ 64	\$1,321
1922	834	467	—	80	1,381
1923	755	487	—	103	1,345
1924	932	531	—	120	1,583
1925	1,021	579	—	133	1,733
1926	1,005	636	—	161	1,802
1927	1,156	692	—	178	2,026
1928	1,275	693	—	189	2,157
1929	1,284	736	—	204	2,194
1930	1,505	772	—	222	2,499
1931	1,362	716	—	237	2,315
1932	964	665	—	240	1,869
1933	811	595	\$ 56	228	1,690
1934	834	610	335	220	1,999
1935	720	616	202	208	1,746
1936	920	696	633	193	2,442
1937	918	715	429	185	2,247
1938	898	756	775	181	2,610
1939	879	725	664	178	2,446
1940	901	735	527	178	2,341
1941	825	776	346	169	2,116
1942	647	756	146	155	1,704
1943	431	777	—	146	1,354
1944	372	841	—	137	1,350
1945	362	949	—	126	1,437
1946	772	1,157	—	114	2,043
1947	1,284	1,253	—	113	2,650
1948	1,569	1,418	—	102	3,089

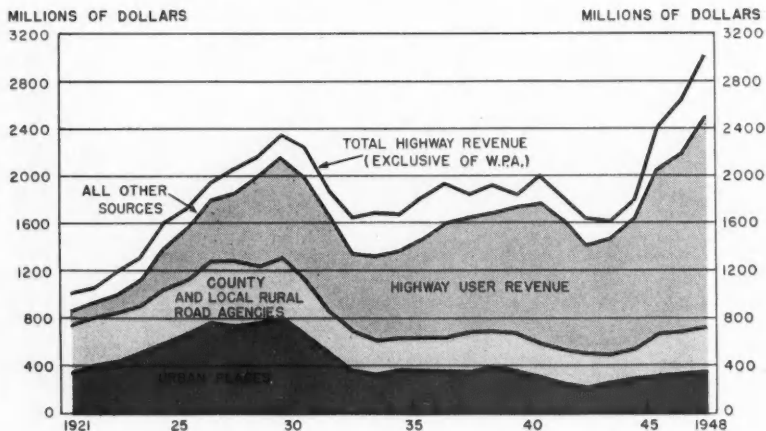
NOTE: State data for 1934 to 1948 are for calendar years; prior to 1934, as reported by the individual states. County and local data are for varying fiscal years, as reported. Data for most recent years are partly estimated.

① Includes expenditures by states on trans-city connections of state highways, also includes expenditures for state highway police. ② W.P.A., etc. ③ Interest payments have been reduced by amounts paid to counties on reimbursement obligations, in order to avoid duplication. ④ Expenditures by Forest Service, National Park Service and Office of Indian Affairs, practically all construction, and included as such in totals.

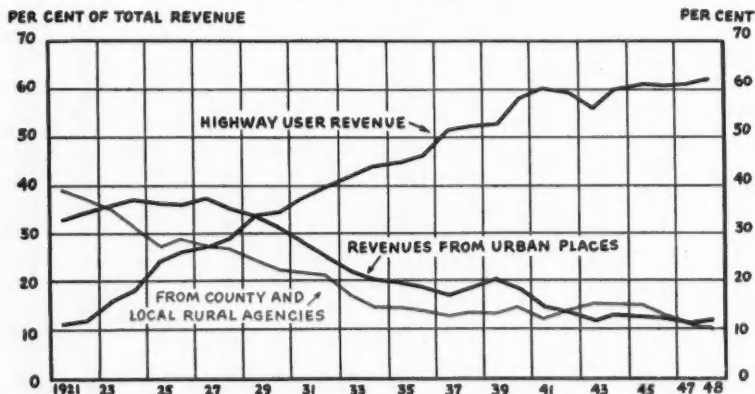
SOURCE: U. S. Public Roads Administration (Tables HF-2 and HF-21).

# 1948 Highway Revenues 13% Over 1947

Motor Vehicle Users Paid 62% of Total



## City and County Share of Highway and Street Costs Declining



Charts are based on table on page 56. Lower chart shows what percentage of total highway revenue is received from sources indicated.

SOURCE: U. S. Public Roads Administration.

## 9 States Diverted More Than 10% of Highway User Revenues for Non-Highway Purposes in 1947

IN THOUSANDS OF DOLLARS	Amounts Diverted <sup>①</sup>	Percent of Total Motor Taxes	IN THOUSANDS OF DOLLARS	Amounts Diverted <sup>①</sup>	Percent of Total Motor Taxes
Alabama.....	\$1,343	3.8	N. Carolina.....	\$1,863	3.3
Arkansas.....	45	0.2	Ohio.....	7,216	6.7
California.....	31,618	19.9	Oklahoma.....	6,677	17.9
Delaware.....	67	1.6	Oregon.....	274	1.0
Florida.....	20,752	35.2	Pennsylvania.....	33	②
Georgia.....	13,655	35.3	Rhode Island.....	4,810	54.9
Illinois.....	576	0.8	S. Carolina.....	737	3.0
Indiana.....	632	1.4	S. Dakota.....	88	1.0
Louisiana.....	3,189	9.6	Tennessee.....	7,318	16.3
Maine.....	12	0.1	Texas.....	24,489	22.2
Massachusetts.....	67	0.2	Utah.....	301	3.7
Minnesota.....	328	0.9	Vermont.....	29	0.4
Mississippi.....	23	0.1	Virginia.....	73	0.2
Nebraska.....	2,244	10.3	Wisconsin.....	3,935	7.9
New Jersey.....	609	1.1	Dist. of Columbia.....	466	6.2
New Mexico.....	901	8.2			
New York.....	36,148	26.7	Total.....	\$170,518	9.2

### Total Diversion by Years, 1924 to 1947

Year	Amount (000)	% of Road Revenues	Year	Amount (000)	% of Road Revenues	Year	Amount (000)	% of Road Revenues
1924.....	\$10,728	3.5%	1932.....	\$76,747	9.1%	1940.....	\$196,491	14.8%
1925.....	7,179	1.8	1933.....	91,577	11.2	1941.....	214,923	14.6
1926.....	6,903	1.5	1934.....	122,150	13.8	1942.....	204,117	15.5
1927.....	8,793	1.6	1935.....	147,143	15.4	1943.....	155,389	14.0
1928.....	12,046	1.9	1936.....	169,278	15.9	1944.....	138,437	12.3
1929.....	14,697	1.9	1937.....	163,008	13.8	1945.....	99,815	8.0
1930.....	20,160	2.3	1938.....	157,449	13.4	1946.....	94,578	5.9
1931.....	23,600	2.7	1939.....	181,575	14.5	1947.....	170,518	9.2

Total. \$2,487,301

① State general fund appropriations for highway purposes have been offset against non-highway allocations of highway user revenues in California, Illinois, Iowa, Louisiana, Massachusetts, Montana, Ohio, Oklahoma and Washington.

② Less than one-tenth of one percent.

In five states, Delaware, Georgia, New Jersey, New York and Rhode Island, highway user revenues were placed in the state general fund where they were made available for highway and other purposes. In each of these states, highway user revenues exceeded general fund distributions for highways and the amount of the excess is shown here. In 1945 and 1946 highway appropriations in New York exceeded highway user revenues.

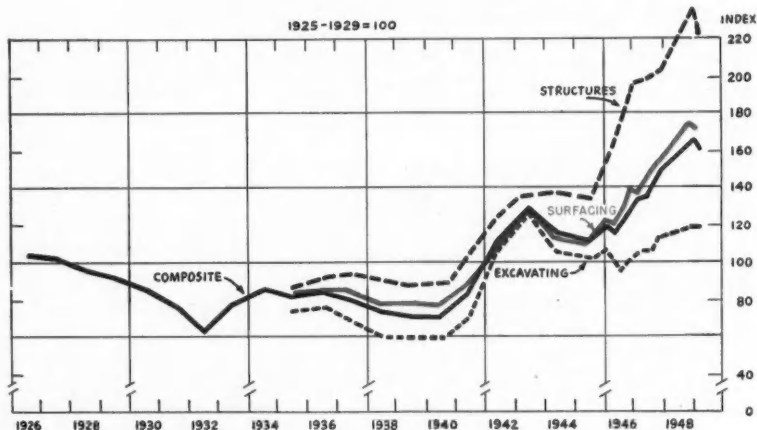
SOURCE: Compiled by Automobile Manufacturers Association from U. S. Public Roads Administration reports.

### 21 States Have Anti-Diversion Amendments

States which have amended their constitutions so as to dedicate all state motor vehicle and gasoline taxes for highway purposes are:

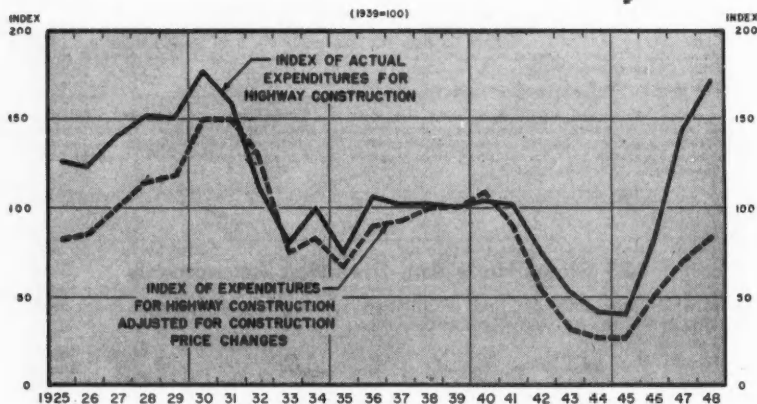
Year Adopted	Year Adopted	Year Adopted
California.....1938	Mass.....1948	Ohio.....1947
Colorado.....1934	Michigan.....1938	Oregon.....1942
Idaho.....1940	Minnesota.....1920	Pennsylvania.....1945
Iowa.....1942	Missouri.....1928	S. Dakota.....1940
Kansas.....1928	Nevada.....1940	Texas.....1946
Kentucky.....1945	N. Hampshire.....1938	W. Virginia.....1944
Maine.....1944	N. Dakota.....1940	Washington.....1944

## Highway Construction Costs Turn Downward



Source: U. S. Public Roads Administration

## 1948 Dollar Expenditures for Road Construction Up 75% Over 1939 But Amount of Roads Built Dropped 18% in Same Period

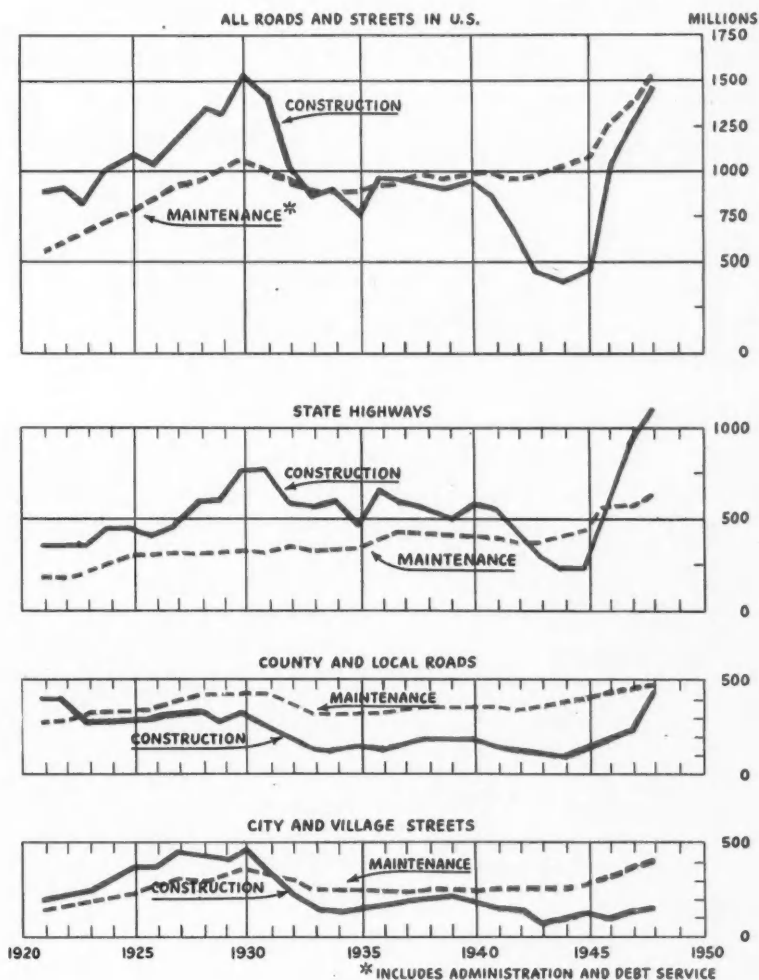


The Broken Curve Shows Trend in Physical Construction of Highways in Comparison with Actual Dollar Expenditures Represented by the Solid Curve

SOURCE: Computed by Automobile Manufacturers Association from data compiled by the U. S. Public Roads Administration.

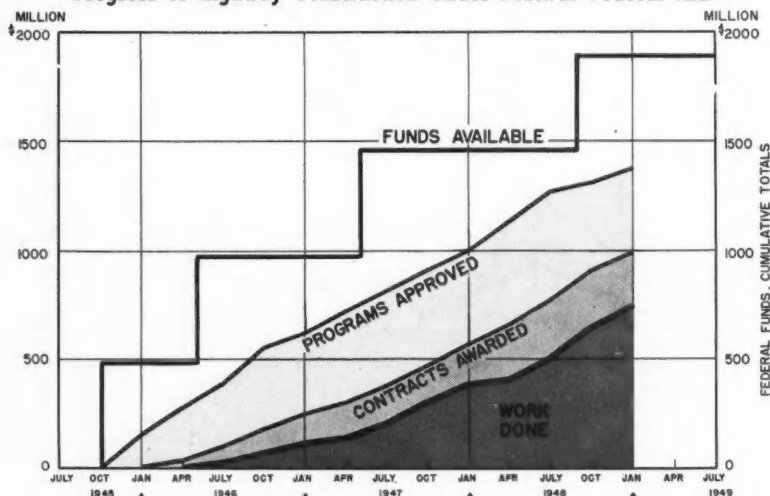
# State Road Construction Expenditures Reach New High

## Construction Work on Streets Lags



1948 is latest year shown in charts

## Progress of Highway Construction Under Postwar Federal Aid



SOURCE: U. S. Public Roads Administration.

## 12% of Streets Carry 80% of Vehicle Traffic

### Classification of Roads and Streets by System

	Road Miles	Percent of Rural Road Mileage	Percent of Rural Road Traffic
<b>Rural Road System—50.6% of Total Traffic</b>			
<b>Primary Federal Aid System:</b>			
Interstate System (Rural Portion).....	34,022	19%	83%
Other Primary Federal Aid System (Rural).....	182,593		
<b>Total Primary (Rural).....</b>	<b>216,615</b>		
Secondary Federal Aid System (Rural).....	371,430	81%	17%
Other Rural (Land Service).....	2,422,000		
<b>Total Rural.....</b>	<b>3,010,000</b>	<b>100%</b>	<b>100%</b>
<b>City Streets—49.4% of Total Traffic</b>			
<b>Primary Federal Aid System:</b>			
Interstate System (Urban Portion).....	3,778	12%	80%
Other Primary Federal Aid System (Urban).....	11,645		
<b>Total Primary (Urban).....</b>	<b>15,423</b>		
Secondary Federal Aid System (Urban).....	13,000	88%	20%
Streets of General Motor Use including Urban Extensions of State Highways but not in Federal Aid System.....	10,000		
Property Service Roads.....	279,000		
<b>Total Urban.....</b>	<b>317,000</b>	<b>100%</b>	<b>100%</b>

\*These are roads and streets of general vehicle use

SOURCE: Compiled by Automobile Manufacturers Association from data of the U. S. Public Roads Administration.

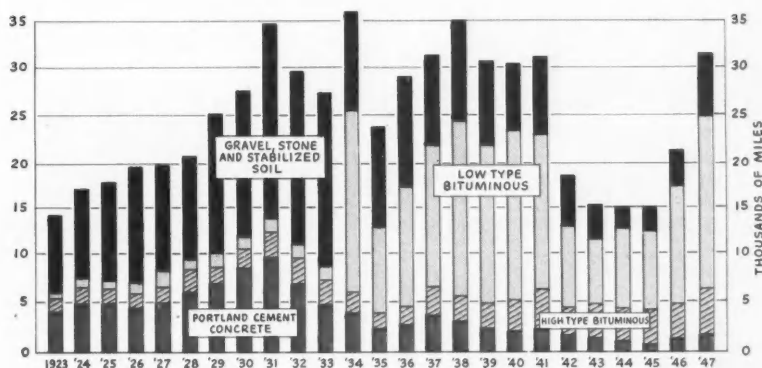
## U. S. Post Office Owns 11,136 Trucks

In 1948 the U. S. Post Office Department owned 11,136 trucks located in 1,568 cities for city delivery service. They performed 30,143,812 hours or 116,678,591 miles of service during the year.

There were 32,412 delivery routes operated by rural carriers. They travelled 1,465,198 miles daily to serve 30,120,663 of our population.



## State Road Mileage Built Back to Prewar Levels



Surfaced Roads Built by State Highway Departments\*

	Portland Cement Concrete ①	High Type Bituminous	Low Type Bituminous	Gravel, Stone and Stabilized Soil	Total
1923.....	4,126	1,502	544	8,325	14,497
1924.....	5,016	1,681	999	9,511	17,207
1925.....	5,121	1,565	848	10,302	17,836
1926.....	4,540	1,592	1,088	12,272	19,492
1927.....	5,127	1,606	1,707	11,132	19,572
1928.....	6,171	2,577	1,006	10,823	20,577
1929.....	7,091	1,756	1,642	14,582	25,071
1930.....	8,814	1,973	1,371	15,306	27,464
1931.....	9,825	2,688	1,453	20,573	34,539
1932.....	7,067	2,942	1,342	18,226	29,577
1933.....	4,797	2,615	1,565	18,236	27,213
1934.....	3,790	2,596	19,091	10,336	35,813
1935.....	2,350	1,456	9,312	10,412	23,530
1936.....	2,610	2,096	12,678	11,529	28,913
1937.....	3,717	2,815	14,231	6,354	31,175*
1938.....	3,147	2,721	18,447	10,469	34,784
1939.....	2,476	2,691	16,691	8,926	30,784
1940.....	1,985	3,335	17,934	7,133	30,387
1941.....	2,235	4,204	16,564	8,035	31,038
1942.....	1,471	2,855	8,700	5,335	18,361
1943.....	1,155	3,495	7,121	3,661	15,432
1944.....	668	3,444	8,699	1,919	14,730
1945.....	455	3,598	8,655	2,287	14,995
1946.....	781	4,180	11,956	4,356	21,273
1947.....	1,258	5,133	18,079	7,057	31,527

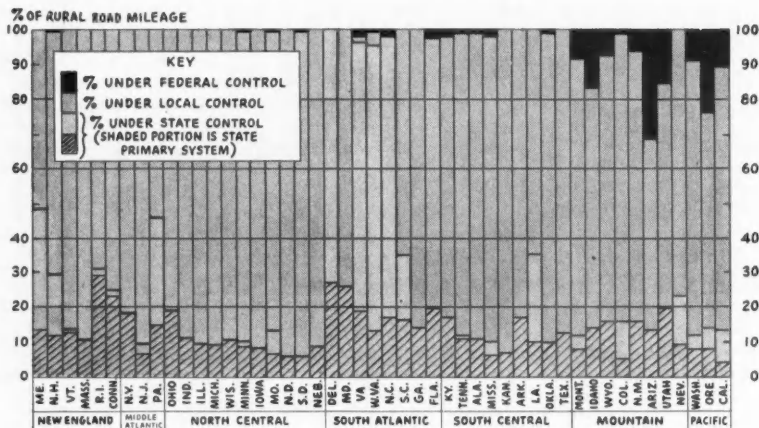
\* Includes mileage built by state highway departments on county, local, and city roads and streets not under state control, on forest, park, and institutional roads.

①—Includes negligible amounts of other high-type surface

SOURCE: U. S. Public Roads Administration (Tables SMB-2, 3, 4).

## Most of Highway Mileage Is Under Control of Local Agencies

Chart shows percent of total rural road mileage in state that is under control of State Highway Department, Local Agencies, or Federal Government



SOURCE: U. S. Public Roads Administration (Table RM-1, 1947).

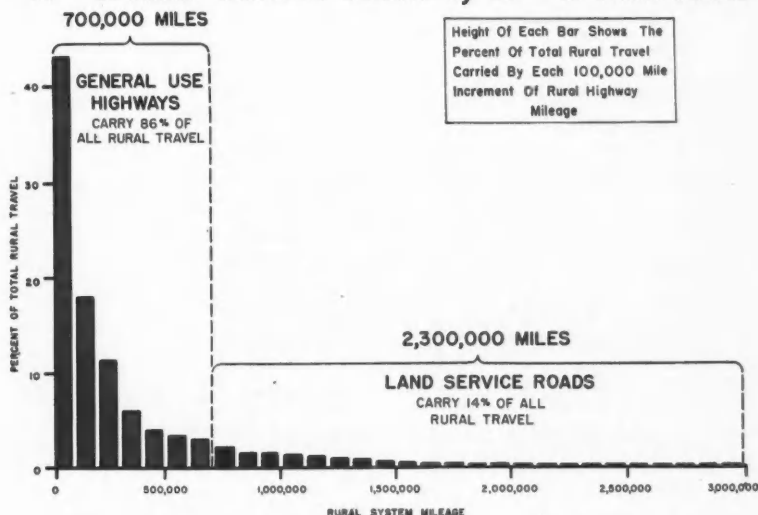
## 86% of State Highway Mileage Is Surfaced

### Total State Highway Mileage in Use

	1941	1942	1943	1944	1945	1946	1947	%
A. Primitive .....	2,192	2,046	1,916	1,978	2,178	2,436	2,390	.4
B. Unimproved .....	40,351	38,976	39,559	39,247	40,025	41,775	37,732	6.5
C. Graded & Drained .....	56,587	55,797	50,909	50,262	50,022	48,373	43,060	7.4
D. Soil-Surfaced .....	26,308	26,551	28,721	28,616	28,522	27,288	43,896	7.5
E. Gravel or Stone .....	108,963	109,991	109,766	109,594	109,929	109,392	92,246	15.8
F. Bituminous Surface-Treated .....	90,072	92,545	96,843	97,633	99,239	103,092	111,663	19.2
G. Mixed Bituminous .....	70,863	72,560	71,409	73,120	74,864	76,720	82,101	14.1
H. Bituminous Penetration .....	33,679	34,024	34,482	34,662	34,742	35,378	32,782	5.6
I. Bituminous Concrete & Sheet Asphalt .....	25,642	27,225	28,917	30,536	33,503	35,828	38,721	6.7
J. Portland Cement Concrete .....	95,521	95,740	95,377	94,245	93,174	92,553	91,338	15.7
K. Brick .....	3,778	3,649	3,588	3,300	3,122	2,949	2,575	.4
L. Block .....	276	285	323	295	254	226	197	—
M. Dual-type .....	2,999	3,227	3,436	3,396	3,439	3,400	3,514	.6
Unclassified .....	767	904	398	293	221	—	—	—
<b>Total .....</b>	<b>657,998</b>	<b>663,520</b>	<b>666,644</b>	<b>667,177</b>	<b>673,234</b>	<b>679,410</b>	<b>682,238</b>	<b>100.0</b>
<b>Percent Surfaced .....</b>	<b>82.2</b>	<b>82.8</b>	<b>83.7</b>	<b>83.9</b>	<b>83.9</b>	<b>84.0</b>	<b>86.7</b>	

SOURCE: U. S. Public Roads Administration (Tables SM-2, 3, 4).

## 86% of Rural Travel is Carried by 23% of Rural Roads



## 96% of Primary State Highways and 45% of County and Local Roads are Surfaced

Total Mileage of Roads by Systems and by Surface Types, 1947

### IN THOUSANDS OF MILES

Rural Roads:	SURFACED			Total
	Gravel, Stone & Stab. Soil	Low Type Bituminous	Paved	
Roads Under State Control:				
Primary State Highways.....	49	140	133	322
Secondary State Highways.....	35	29	12	76
County Roads Under State Control.....	51	16	2	69
State Parks, Forests, Reservations, etc.....	1	1	—	2
Total Rural Roads Under State Control.....	136	186	147	469
County and Local Roads.....	871	141	49	1,061
National Parks, Forests, Reservations, etc.....	11	2	1	14
Total Rural Roads.....	1,018	329	197	1,544
Urban Mileage:				
Urban Extensions of State Highways.....	2	8	20	30
Local Streets & Alleys.....	75	46	86	207
Total Urban.....	77	54	106	237
Total Rural & Urban.....	1,095	383	303	1,781

### UNSURFACED

### IN THOUSANDS OF MILES

Rural Roads:	Primitive and Unimproved		Total	Grand Total	Percent Surfaced
	Graded and Improved	Drained			
Roads Under State Control:					
Primary State Highways.....	5	10	15	337	95.5
Secondary State Highways.....	9	7	16	92	82.6
County Roads Under State Control.....	26	25	51	120	57.4
State Parks, Forests, Reservations, etc.....	1	2	3	5	40.0
Total Rural Roads Under State Control.....	41	44	85	554	84.7
County and Local Roads.....	742	581	1,323	2,384	44.5
National Parks, Forests, Reservations, etc.....	34	24	58	72	19.4
Total Rural Roads.....	817	649	1,466	3,010	51.3
Urban Mileage:					
Urban Extensions of State Highways.....	—	1	1	31	96.7
Local Streets & Alleys.....	—	79	79	286	72.5
Total Urban.....	—	80	80	317	74.8
Total Rural and Urban.....	817	729	1,546	3,327	53.5

SOURCE: U. S. Public Roads Administration.

# 51 Percent of Rural Roads Are Surfaced

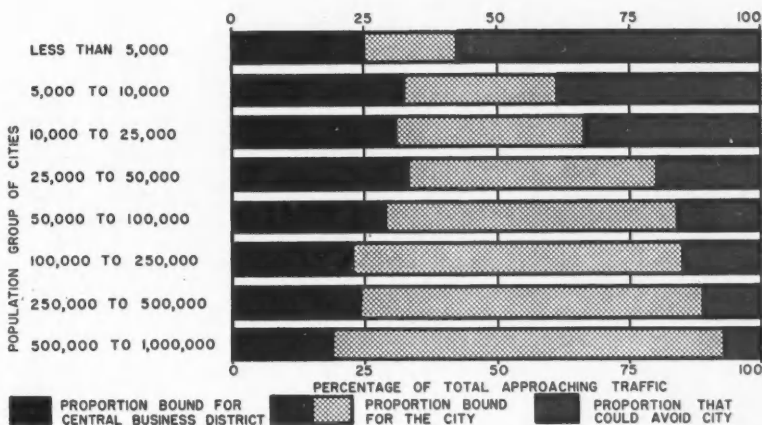
Rural Road Mileage by Type of Surface, 1947

State	SURFACED			UNSURFACED			Grand Total
	Paved	Low Type Bituminous	Gravel, Stone, Stabil, Soil	Total	Primitive and Unimproved	Graded and Drained	
Ala.....	1,335	6,556	32,611	40,502	11,809	7,731	60,042
Ariz.....	481	3,850	3,745	8,076	15,679	4,951	28,706
Ark.....	1,782	2,181	17,743	21,706	25,043	8,786	55,535
Calif.*.....	9,810	32,124	16,643	58,577	32,791	6,080	97,678
Colo.....	488	4,189	11,654	16,331	52,785	6,694	75,810
Conn.....	3,065	5,097	2,391	10,553	414	23	10,990
Del.....	903	899	1,153	2,955	72	729	3,756
Fla.....	1,768	10,837	3,952	16,557	5,560	16,669	38,786
Ga.....	5,393	3,882	11,820	21,095	18,600	49,985	89,680
Idaho.....	236	3,914	12,813	16,963	13,116	5,938	36,017
Ill.....	12,095	3,735	68,338	84,168	3,157	17,309	104,634
Ind.....	9,154	10,859	53,364	73,377	4,779	4,556	82,712
Iowa.....	5,825	1,383	54,253	61,461	2,424	37,603	101,488
Kan.....	1,815	6,459	28,000	36,274	14,017	79,226	129,517
Ky.....	2,722	7,905	22,028	32,655	24,944	669	58,268
La.....	4,134	461	17,843	22,438	3,113	13,403	38,954
Maine.....	9,630	6,630	791	17,051	1,188	2,466	20,705
Md.....	3,369	3,661	4,330	11,360	1,723	4,014	17,097
Mass.....	2,989	2,209	11,020	16,218	683	457	17,358
Mich.....	7,399	9,549	51,108	68,056	15,115	10,030	93,201
Minn.....	2,745	6,641	68,181	77,567	11,116	20,978	109,661
Miss.....	2,945	1,539	29,234	33,718	22,983	4,586	61,287
Mo.....	4,679	6,150	45,278	56,107	16,472	43,510	116,089
Mont.....	31	5,303	13,052	18,386	42,051	9,512	69,949
Nebr.....	1,278	2,705	23,379	27,362	61,840	11,411	100,613
Nev.....	44	3,100	1,246	4,390	17,557	1,854	23,801
N. H.....	449	4,308	3,901	8,658	1,871	1,993	12,522
N. J.....	2,787	6,480	5,393	14,660	3,273	407	18,340
N. M.....	717	3,920	3,782	8,419	48,131	5,315	61,865
N. Y.....	25,735	10,073	33,812	69,620	11,852	—	81,472
N. C.....	5,233	8,166	22,803	36,202	5,068	20,818	62,088
N. D.....	43	1,804	22,499	24,346	68,900	21,193	114,439
Ohio.....	9,611	25,370	40,287	75,268	4,564	5,887	85,719
Okla.....	4,146	3,042	12,859	20,043	15,332	64,228	99,607
Ore.....	3,748	4,590	16,102	24,440	16,676	13,398	54,514
Pa.....	17,837	18,905	14,394	51,136	317	33,677	85,130
R. I.....	607	793	765	2,165	285	71	2,521
S. C.....	2,416	7,552	6,632	16,600	23,023	6,619	46,242
S. D.....	322	2,621	24,908	27,851	37,868	32,915	98,634
Tenn.....	3,147	6,263	39,668	49,078	9,704	6,265	65,047
Texas.....	13,440	20,595	39,149	73,184	91,850	31,400	196,434
Utah.....	653	3,019	5,152	8,824	8,631	6,984	24,039
Vt.....	388	1,548	6,167	8,103	1,808	3,492	13,403
Va.....	5,239	13,735	21,543	40,517	5,956	2,472	48,945
Wash.....	4,216	7,623	19,471	31,310	9,132	10,287	50,729
W. Va.....	2,941	5,582	7,560	16,083	16,465	1,706	34,254
Wis.....	4,975	16,224	54,401	75,600	1,822	8,157	85,779
Wyo.....	17	4,220	2,790	7,027	15,661	3,072	25,760
Total.....	196,904	328,251	1,017,886	1,543,041	817,220	649,126	1,466,346
Percent....	6.6	10.9	33.8	51.3	27.2	21.5	48.7
							100.0

\*There were 230 miles in California not classified by type.

SOURCE: U. S. Public Roads Administration (Table RM-3, 1947).

## Only Small Proportion of Traffic Approaching Large Cities is Through Traffic



SOURCE: U. S. Public Roads Administration.

## Parking Space Requirements for Six Types of Situations

Type of Situation	One Parking Space Required for Each
Suburban shopping centers .....	320 square feet
Downtown department stores .....	1,040 square feet
Office buildings .....	1,000 square feet
Specialty retail stores .....	1,410 square feet
Hotels .....	1,800 square feet
Five and Ten Cent Stores and Downtown drug stores .....	3,010 square feet

NOTE: There may be considerable variation in figures such as these because of the size of the city, the proportion of travel by transit and other economic factors which reflect the buying power of the population.

SOURCE: The Highway Research Board.

## Popularity of Auto Vacations Increasing

Year	METHODS OF TRAVEL					
	Auto	Train	Bus	Plane	Steamship	Other
Pre-war.....	76%	21%	7%	2%	3%	1%
1946.....	75%	23%	9%	7%	1%	1%
1947.....	76%	23%	10%	7%	2%	1%
1948.....	82%	20%	8%	5%	2%	2%

NOTE: Some vacationists used more than one method of travel.

SOURCE: Reader surveys by the Crowell-Collier Publishing Company.

## 43,004 Car and Truck Dealers in United States

	Passenger Car Dealers	Truck <sup>①</sup> Dealers	Car and Truck Dealers	Independent Repair Shops	All Retail Outlets	Wholesale
Alabama.....	464	361	494	389	940	132
Arizona.....	200	157	215	332	578	64
Arkansas.....	492	381	547	557	1,126	127
California.....	2,060	1,361	2,220	6,168	9,083	707
Colorado.....	497	364	513	710	1,327	100
Connecticut.....	509	323	562	754	1,465	113
Delaware.....	87	65	90	128	241	18
Florida.....	540	412	614	699	1,395	158
Georgia.....	634	495	706	403	1,141	167
Idaho.....	339	270	392	403	844	69
Illinois.....	2,270	1,505	2,495	3,202	6,320	455
Indiana.....	1,231	853	1,336	1,805	3,128	228
Iowa.....	1,264	960	1,379	1,259	2,879	215
Kansas.....	910	651	972	865	1,847	157
Kentucky.....	678	466	720	491	1,293	141
Louisiana.....	408	328	471	441	970	108
Maine.....	391	282	413	605	1,007	55
Maryland.....	406	194	451	477	988	99
Massachusetts.....	1,128	673	1,173	1,439	2,832	221
Michigan.....	1,613	1,174	1,857	3,014	5,211	333
Minnesota.....	1,417	1,072	1,556	1,712	3,543	161
Mississippi.....	487	362	519	226	757	102
Missouri.....	1,131	785	1,200	1,398	2,795	262
Montana.....	420	325	445	331	821	62
Nebraska.....	711	519	751	824	1,690	117
Nevada.....	98	68	104	123	249	15
New Hampshire.....	240	164	246	304	557	27
New Jersey.....	982	598	1,048	2,349	3,539	226
New Mexico.....	233	167	247	352	639	64
New York.....	2,621	1,649	2,772	6,089	9,507	550
North Carolina.....	854	596	880	836	1,823	198
North Dakota.....	445	348	524	441	951	54
Ohio.....	2,016	1,273	2,145	2,578	5,034	452
Oklahoma.....	803	581	867	1,045	2,071	180
Oregon.....	505	355	544	1,278	1,937	133
Pennsylvania.....	2,956	1,842	3,116	5,430	9,064	527
Rhode Island.....	147	81	154	300	505	36
South Carolina.....	421	298	441	355	762	92
South Dakota.....	377	299	398	334	786	40
Tennessee.....	562	406	595	543	1,178	149
Texas.....	2,295	1,581	2,478	3,351	6,047	509
Utah.....	229	173	245	375	679	62
Vermont.....	198	131	198	261	474	22
Virginia.....	769	527	786	851	1,741	126
Washington.....	727	497	785	1,974	2,987	178
West Virginia.....	501	369	549	485	1,099	83
Wisconsin.....	1,458	1,031	1,494	1,321	2,996	185
Wyoming.....	230	164	226	148	417	35
Dist. of Columbia..	68	38	71	153	236	24
<b>Totals—1949...</b>	<b>40,022</b>	<b>27,574</b>	<b>43,004</b>	<b>59,908</b>	<b>109,499</b>	<b>8,338</b>
<b>Totals—1948...</b>	<b>38,480</b>	<b>25,998</b>	<b>40,410</b>	<b>55,694</b>	<b>104,504</b>	<b>7,982</b>
<b>Totals—1941...</b>	<b>39,833</b>	<b>24,992</b>	<b>41,790</b>	<b>49,208</b>	<b>95,296</b>	<b>6,575</b>

\* "All Retail Outlets" include passenger car and truck dealers, independent repair shops, super-service stations and wrecking and body establishments.

①—Includes dealers handling passenger cars.

SOURCE: Motor Age; number of dealers as of January 1949.

# 45 States Have Adopted All or Part of Uniform Vehicle Code

Table Shows States Having Adopted Various Sections of Uniform Motor Vehicle Code

	Administration Registration, Certificate of Title and Anti-Theft Act	Operators and Chauffeurs License Act	Safety Responsi- bility Act	Regulation of Traffic On Highways
Alabama.....	—	—	Yes	—
Arizona.....	—	—	Yes	—
Arkansas.....	Yes	Yes	—	Yes
California.....	Yes	Yes	Yes	Yes
Colorado.....	—	Yes	Yes	Yes
Connecticut.....	—	—	Yes	—
Delaware.....	Yes	Yes	Yes	Yes
Florida.....	—	Yes	Yes	Yes
Georgia.....	—	—	Yes	—
Idaho.....	Yes	Yes	Yes	Yes
Illinois.....	—	—	Yes	Yes
Indiana.....	—	—	Yes	—
Iowa.....	—	—	Yes	Yes
Kansas.....	—	Yes	Yes	Yes
Kentucky.....	—	—	Yes	—
Louisiana.....	—	—	—	—
Maine.....	—	—	Yes	—
Maryland.....	Yes	Yes	Yes	Yes
Massachusetts.....	—	—	Yes	—
Michigan.....	Yes	Yes	Yes	Yes
Minnesota.....	—	Yes	Yes	—
Mississippi.....	—	—	—	Yes
Missouri.....	—	—	Yes	—
Montana.....	—	—	Yes	—
Nebraska.....	—	—	Yes	—
Nevada.....	—	Yes	—	—
New Hampshire.....	—	—	Yes	—
New Jersey.....	—	—	Yes	—
New Mexico.....	Yes	Yes	Yes	Yes
New York.....	—	—	Yes	—
North Carolina.....	Yes	—	Yes	—
North Dakota.....	Yes	Yes	Yes	Yes
Ohio.....	Yes	Yes	Yes	Yes
Oklahoma.....	—	—	Yes	—
Oregon.....	—	Yes	Yes	Yes
Pennsylvania.....	Yes	Yes	Yes	Yes
Rhode Island.....	—	—	Yes	—
South Carolina.....	—	—	—	—
South Dakota.....	—	—	Yes	—
Tennessee.....	Yes	Yes	Yes	Yes
Texas.....	—	Yes	—	Yes
Utah.....	Yes	Yes	Yes	Yes
Vermont.....	—	—	Yes	—
Virginia.....	Yes	Yes	Yes	—
Washington.....	Yes	Yes	Yes	Yes
West Virginia.....	Yes	Yes	Yes	—
Wisconsin.....	—	—	Yes	Yes
Wyoming.....	—	Yes	Yes	—

NOTE: This tabulation is based on the preliminary revised report of the Committee on Laws and Ordinances, The President's Highway Safety Conference, June 1949, and is up to date as of May 1949. The above tabulation covers, in order, Acts I, II, IV, and V of the Uniform Motor Vehicle Code and indicates which states can reasonably be classified as having adopted the indicated sections of the code.

Act III of the code covers civil liability for motor vehicle accidents, but since its various provisions are not closely interrelated no attempt has been made to indicate which states have or have not enacted this section of the code. In general, a substantial number of States have enacted some, but not all, of the provisions of Act III.

# 3,917,000 Carloads of Automotive Freight

## Automotive Rail Freight by Commodity Groups, 1948

	Carloads*		Carloads*
Motor Vehicles, Parts, Tires	813,546	Road and Fuel Oil	63,000
Gasoline	498,000	Crude Rubber	33,000
Crude Petroleum	174,000	Cement for Roads, Bridges	438,000
Lubricating Oil	83,000	Asphalt for Roads	125,000
Iron and Steel	209,000	Gravel, Sand, Stone, Brick	890,000
Iron Ore	269,000	Miscellaneous, such as non-ferrous metals, paints, upholstery	248,000
Coal and Coke	98,000		
Lumber	15,000		
Total Automotive Freight Carloads			3,917,000
Rail Revenues from Automotive Freight			\$815,000,000

\*Partly estimated by Automobile Manufacturers Association.

## Rail Carloads of Automobiles, Trucks, Parts and Tires, 1948

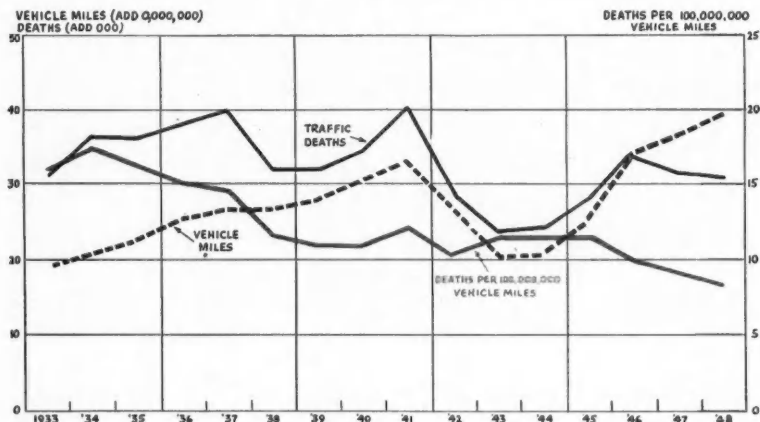
(From Freight Commodity Statistics of the Interstate Commerce Commission)

	Carloads Originated	Received From Connections	Total Carloads Carried	Revenue
<b>EASTERN LINES</b>				
N. Y. C. Lines	233,566	49,898	283,464	\$38,131,008
Penn. System	71,600	42,684	114,284	17,321,249
G. T. W. R.R.	68,337	19,405	87,742	7,709,981
C. & O. Ry.	51,069	18,495	69,564	7,865,858
D. T. & I. R.R.	48,118	7,329	55,447	3,196,084
B. & O. System	27,241	30,254	57,495	7,211,023
Erie R.R.	19,886	25,461	45,347	5,906,587
Reading System	14,479	23,399	37,878	1,777,055
Wab. Ry.—A. A. R.R.	12,657	54,716	67,373	8,154,666
A. C. & Y. Ry.	10,206	485	10,691	722,938
N. Y. C. & St. L. R.R.	7,421	17,575	24,996	3,033,902
D. & T. S. L. R.R.	5,877	13,301	19,178	673,001
B. & M. R.R.	4,530	19,392	23,922	2,014,881
C. I. & L. Ry.	2,696	5,164	7,860	628,853
W. Md. Ry.	2,202	6,359	8,561	475,148
N. Y. S. & W. R.R.	2,177	6,424	8,601	458,882
New Haven System	2,102	22,608	24,710	1,814,342
D. L. & W. R.R.	1,961	17,264	19,225	2,279,642
C. & E. I. Ry.	1,408	9,900	11,308	1,125,646
L. V. R.R.	1,131	17,156	18,287	2,203,625
W. & L. E. R.R.	914	8,261	9,175	442,162
D. & H. R.R.	670	10,116	10,786	470,885
E. I. & E. Ry.	248	9,108	9,356	178,044
N. & W. Ry.	213	8,698	8,911	1,285,623
C. Vt. Ry.	90	2,604	2,694	195,087
R. F. & P. R.R.	83	4,870	4,953	201,480
Virginian Ry.	46	3,920	3,966	345,348
Me. Cent. R.R.	28	3,058	3,086	196,957
C. P. Lines in Me. & Vt.	6	5,510	5,516	154,190
P. & W. Va. Ry.	1	4,338	4,339	149,480
Miscellaneous	410	10,894	11,304	545,057
<b>Total Eastern Lines</b>	<b>591,373</b>	<b>478,646</b>	<b>1,070,019</b>	<b>\$116,868,684</b>



#

# 1948 Traffic Deaths Per Mile At New Low



## DEATHS FROM COLLISION WITH — TOTAL DEATH RATES

	ALL DEATHS*	Deaths from Non-Collision Accidents	Pedestrians	Other Motor Vehicles	Railroad Trains	Street Cars	Bicycles and Horse-drawn Vehicles	Fixed Objects	Per 100,000 Population	Per 10,000 Motor Vehicles	Per 100,000,000 Vehicle Miles
1927	25,800	7,870	10,820	3,430	1,830	520	820	500	21.8	11.2	17.3
1928	28,000	8,070	11,420	4,310	2,140	570	950	540	23.4	11.4	16.9
1929	31,200	9,380	12,250	5,400	2,050	530	990	620	25.7	11.8	16.6
1930	32,900	9,970	12,900	5,880	1,830	480	1,150	720	26.7	12.4	16.4
1931	33,700	9,570	13,370	6,820	1,710	440	900	870	27.2	13.0	16.0
1932	29,500	8,500	11,490	6,070	1,520	320	750	800	23.6	12.2	15.2
1933	31,363	8,680	12,840	6,470	1,437	318	710	900	25.0	13.2	16.2
1934	36,101	9,820	14,480	8,110	1,457	332	860	1,040	28.6	14.4	17.4
1935	36,369	9,720	14,350	8,750	1,587	253	700	1,010	28.6	13.9	16.4
1936	38,089	9,410	15,250	9,500	1,697	269	900	1,060	29.7	13.5	15.1
1937	39,643	9,690	15,500	10,320	1,810	264	900	1,160	30.8	13.3	14.7
1938	32,582	7,350	12,850	8,900	1,490	165	890	940	25.1	11.1	12.0
1939	32,386	7,900	12,400	8,700	1,330	150	910	1,000	24.7	10.6	11.4
1940	34,501	7,800	12,700	10,100	1,707	132	960	1,100	26.1	10.8	11.4
1941	39,969	9,450	13,550	12,500	1,840	118	1,160	1,350	30.0	11.6	12.0
1942	28,309	6,740	10,650	7,300	1,754	124	890	850	21.1	8.7	10.6
1943	23,823	5,690	9,900	5,300	1,448	171	610	700	17.8	7.8	11.4
1944	24,282	5,600	9,900	5,700	1,663	175	540	700	18.3	8.1	11.3
1945	28,076	6,600	11,000	7,150	1,703	163	630	800	21.3	9.2	11.3
1946	33,411	8,900	11,600	9,400	1,732	174	670	950	23.9	9.8	9.8
1947	32,697	8,800	10,450	9,900	1,736	102	700	1,000	22.8	8.7	8.8
1948	32,000	8,850	9,850	10,100	1,492	100	600	1,000	21.9	7.9	8.0

\*Totals do not quite equal the sum of the various types because the estimates were generally made only to the nearest 10 deaths, and to the nearest 50 deaths for certain types.

SOURCE: "Accident Facts" by the National Safety Council.

# Members of Automobile Manufacturers Association

## Passenger Car Manufacturers

Trade Name	Member or Manufacturer	Address
Buick	Buick Motor Division*	Flint 2, Mich.
Cadillac	Cadillac Motor Car Division*	Detroit 32, Mich.
Checker	Checker Cab Mfg. Corporation	Kalamazoo 13F, Mich.
Chevrolet	Chevrolet Motor Division*	Detroit 2, Mich.
Chrysler	Chrysler Sales Division†	Detroit 31, Mich.
Crosley	Crosley Motors, Inc.	Cincinnati 14, Ohio
De Soto	De Soto Division†	Detroit 31, Mich.
Dodge	Dodge Division†	Detroit 31, Mich.
Frazer	Kaiser-Frazer Corporation	Willow Run, Mich.
Hudson	Hudson Motor Car Company	Detroit 14, Mich.
Kaiser	Kaiser-Frazer Corporation	Willow Run, Mich.
Nash	Nash-Kelvinator Corporation	Detroit 32, Mich.
Oldsmobile	Olds Motor Works Division*	Lansing 21, Mich.
Packard	Packard Motor Car Company	Detroit 32, Mich.
Plymouth	Plymouth Division†	Detroit 5, Mich.
Pontiac	Pontiac Motor Division*	Pontiac 11, Mich.
Studebaker	The Studebaker Corporation	South Bend 27, Ind.
Willys	Willys-Overland Motors, Inc.	Toledo 1, Ohio

## Station Wagon Manufacturers

Buick	Buick Motor Division*	Flint 2, Mich.
Chevrolet	Chevrolet Motor Division*	Detroit 2, Mich.
Chrysler	Chrysler Sales Division†	Detroit 31, Mich.
Crosley	Crosley Motors, Inc.	Cincinnati 14, Ohio
De Soto	De Soto Division†	Detroit 31, Mich.
Dodge	Dodge Division†	Detroit 31, Mich.
Oldsmobile	Oldsmobile Division*	Lansing 21, Mich.
Packard	Packard Motor Car Company	Detroit 32, Mich.
Plymouth	Plymouth Division†	Detroit 5, Mich.
Pontiac	Pontiac Motor Division*	Pontiac 11, Mich.
Willys	Willys-Overland Motors, Inc.	Toledo 1, Ohio

## Motor Coach Manufacturers

G.M.C.	G.M.C. Truck and Coach Division*	Pontiac 11, Mich.
Mack	Mack Manufacturing Corporation	New York 1, N. Y.
Reo	Reo Motors, Inc.	Lansing 20, Mich.
White	The White Motor Company	Cleveland 1, Ohio

## School Bus Chassis Manufacturers

Chevrolet	Chevrolet Motor Division*	Detroit 2, Mich.
Dodge	Dodge Division†	Detroit 31, Mich.
G.M.C.	G.M.C. Truck and Coach Division*	Pontiac 11, Mich.
International	International Harvester Company	Chicago 1, Ill.
Mack	Mack Manufacturing Corporation	New York 1, N. Y.
Reo	Reo Motors, Inc.	Lansing 20, Mich.
Studebaker	The Studebaker Corporation	South Bend 27, Ind.
White	The White Motor Company	Cleveland 1, Ohio

†Chrysler Corporation.

\*General Motors Corporation.

# Members of Automobile Manufacturers Association

## Motor Truck Manufacturers Including Light Commercial Vehicle Manufacturers

Trade Name	Member or Manufacturer	Address
Autocar.....	The Autocar Company.....	Ardmore, Pa.
Chevrolet.....	Chevrolet Motor Division*.....	Detroit 2, Mich.
Corbitt.....	The Corbitt Company.....	Henderson, N. C.
Crosley.....	Crosley Motors, Inc.....	Cincinnati 14, Ohio
Diamond T.....	Diamond T Motor Car Company.....	Chicago 23, Ill.
Divco.....	Divco Corporation.....	Detroit 5, Mich.
Dodge.....	Dodge Division†.....	Detroit 31, Mich.
Duplex.....	Duplex Truck Company.....	Lansing 4, Mich.
Federal.....	Federal Motor Truck Company.....	Detroit 9, Mich.
F.W.D.....	Four Wheel Drive Auto Company.....	Clintonville, Wis.
G.M.C.....	G.M.C. Truck and Coach Division*.....	Pontiac 11, Mich.
Hudson.....	Hudson Motor Car Company.....	Detroit 14, Mich.
International.....	International Harvester Company.....	Chicago 1, Ill.
Mack.....	Mack Manufacturing Corporation.....	New York 1, N. Y.
Nash.....	Nash-Kelvinator Corporation.....	Detroit 32, Mich.
Peterbilt.....	Peterbilt Motors Company.....	Oakland 5, Calif.
Pontiac.....	Pontiac Motor Division*.....	Pontiac 11, Mich.
Reo.....	Reo Motors, Inc.....	Lansing 20, Mich.
Sterling.....	Sterling Motor Truck Company.....	Milwaukee 1, Wis.
Studebaker.....	The Studebaker Corporation.....	South Bend 27, Ind.
Walter.....	Walter Motor Truck Company.....	Ridgewood 27, N. Y.
White.....	The White Motor Company.....	Cleveland 1, Ohio
Willys.....	Willys-Overland Motors, Inc.....	Toledo 1, Ohio

## Cab-Over-Engine Truck Manufacturers

Autocar.....	The Autocar Company.....	Ardmore, Pa.
Chevrolet.....	Chevrolet Motor Division*.....	Detroit 2, Mich.
G.M.C.....	G.M.C. Truck and Coach Division*.....	Pontiac 11, Mich.
Diamond T.....	Diamond T Motor Car Company.....	Chicago 23, Ill.
Dodge.....	Dodge Division†.....	Detroit 31, Mich.
F.W.D.....	Four Wheel Drive Auto Company.....	Clintonville, Wis.
Mack.....	Mack Manufacturing Corporation.....	New York 1, N. Y.
Walter.....	Walter Motor Truck Company.....	Ridgewood 27, N. Y.
White.....	The White Motor Company.....	Cleveland 1, Ohio

## Multi-Stop Delivery Truck Manufacturers

Chevrolet.....	Chevrolet Motor Division*.....	Detroit 2, Mich.
Divco.....	Divco Corporation.....	Detroit 5, Mich.
Dodge.....	Dodge Division†.....	Detroit 31, Mich.
G.M.C.....	G.M.C. Truck and Coach Division*.....	Pontiac 11, Mich.
International.....	International Harvester Company.....	Chicago 1, Ill.

†Chrysler Corporation.

\*General Motors Corporation.

## Automobile Manufacturers Association, Inc.

**Offices:** Headquarters: 320 New Center Building, Detroit 2, Mich.; Branches: 366 Madison Avenue, New York 17, N. Y., and 830 Transportation Building, Washington 6, D. C.

**President:** G. W. Mason, President, Nash-Kelvinator Corporation.

**Advisory Vice-Pres.:** Alfred Reeves.

**Managing Director:** William J. Cronin.

The Automobile Manufacturers Association, Inc. was organized in 1913 under the name of Automobile Chamber of Commerce (later changed to National Automobile Chamber of Commerce and in 1934 changed to Automobile Manufacturers Association, Inc.). It is the successor of the National Association of Automobile Manufacturers, the Automobile Board of Trade, and the Association of Licensed Automobile Manufacturers, in existence prior to 1913.

The principal purposes of the Association are:

To contribute in the public interest to the successful operation of those engaged

in the business of manufacturing passenger cars, commercial cars, trucks, buses and similar self-propelled vehicles, by assisting in the solution of problems affecting the industry and the general public;

To promote free competition in the manufacture, distribution, sale and servicing of the industry's products;

To collect and utilize technical and other information regarding the various aspects of the automotive business;

To aid in the solution of problems affecting the industry through the use of such information;

To facilitate the exchange of information among its members regarding inventions, patents, trade-marks, processes and devices usable on motor vehicles and in their production and sales; and

To acquire and dispose of property, including inventions, letters patent and processes or rights thereunder, subject to such limitations as may be prescribed by law, and not for pecuniary profit.

### Publications and Movies Available Without Charge

#### Publications

The following publications may be obtained by writing to the Automobile Manufacturers Association, 320 New Center Building, Detroit 2, Michigan:

**A Car Traveling People**—How the automobile has changed the life of Americans, a study of social effects, by Franklin M. Reck.

**Horses to Horsepower**—A study of the effect of the motor truck on American living, by Franklin M. Reck.

**Automobile Facts and Figures**—An annual statistical review of motor vehicle production, distribution and use.

**Motor Truck Facts**—A biennial statistical review of motor truck and motor bus production, distribution and use.

**Automobile Facts**—An eight-page, monthly publication, reporting timely developments about manufacturing, sales, and use of automotive products.

**100 Million Motor Vehicles**—A story of mass production and its effect on the United States.

**Bibliography of Automotive Literature**—A listing of books, pamphlets, and other reference materials on the automobile industry.

#### Movies

(Available as a Loan—No Charge)

**"Wheels for the World"**—17 minutes, 16 mm., black and white sound film documenting engineering progress since turn of the century. Produced by and prints available from Automobile Manufacturers Association.

**"Horizons Unlimited"**—17 minutes, black and white sound film, 16 mm. or 35 mm., narrating role of cars and commercial vehicles in Nation's social and economic life. Produced by Automobile Manufacturers Association. Prints available through Film Department, National Highway Users Conference, 938 National Press Building, Washington, D. C.

# Associations of the Automobile Industry

## American Automobile Association

**National Headquarters:** Pennsylvania Avenue at 17th Street, N.W., Washington 6, D. C.

**President:** R. J. Schmundk, 2605 Euclid Avenue, Cleveland 15, Ohio.

**Executive Vice-President:** Russell E. Singer.

The world's largest motor federation—composed of 690 motor clubs and branches and over 2,580,000 members. It is a national civic body, operating without personal profit and officered by responsible business and professional men. Its objects, briefly stated, are:

To unite in one body all the automobile clubs and individual motorists in the country.

To secure reasonable and just legislation and to aid in proper enforcement of automobile laws and ordinances.

To secure the construction and maintenance of a system of highways adequate to the needs of motor transport.

To encourage travel by automobile, bus, steamship, rail and air, and to secure, prepare, and disseminate information relative thereto.

To support sportsmanlike contests and other movements that will advance motoring interests.

To develop service to motorists through clubs.

To promote highway safety by motorists and pedestrians and to develop it among children through safety lessons, school boy patrols, and driver training.

To facilitate touring by Americans in foreign countries, furnish customs papers, driving licenses and necessary documents.

## American Finance Conference

**Offices:** 1200 Midland Bldg., 176 West Adams St., Chicago 3, Illinois.

**President:** Ralph R. Kriesel, President, Ralph R. Kriesel Co., St. Paul, Minnesota.

**Chairman, Executive Committee:** Victor L. Brown, President, Motors Acceptance Co., Milwaukee, Wisconsin.

**Executive Vice-President:** Thomas W. Rogers, 176 West Adams St., Chicago 3, Illinois.

A national trade association representing 350 automobile finance companies operating nearly 1,300 offices in 46 states. Purpose is to promote the betterment of the business of its members by coordinating its forces for educational, legislative, defensive or other purposes, by aiding and cooperating with any movement beneficial to the automobile financing business.

## American Trucking Associations, Inc.

**General Offices:** 1424 16th St., N.W., Washington 6, D. C.

**Chairman, Board of Directors:** E. J. Buhner.

**President:** H. D. Horton.

**Managing Director:** John V. Lawrence.

**General Manager:** Ray G. Atherton.

The American Trucking Association, Inc., organized in Washington in September 1933, is composed of 52 state motor truck associations, representing throughout the country all types and classes of truck owners and operators. It is a federation of associations, operating without profit and officered by truck operators for the purpose of protecting and promoting the interests of the trucking industry.

It is the recognized national spokesman for the trucking industry and contacts regularly all

Federal departments in which arise matters pertaining to trucking and other forms of transportation.

The organization finances and sponsors the national advertising and public relations programs of the trucking industry.

## The Association of American Battery Manufacturers, Inc.

**Executive Headquarters:** 2706 First National Tower Building, Akron, Ohio.

**President:** H. A. Harvey, Autolite Battery Corp., Niagara Falls, New York.

**Commissioner:** V. L. Smithers, 2706 First National Tower Building, Akron, Ohio.

The Association was organized in 1924.

Active membership is composed of manufacturers of wet storage batteries in North and South America.

Suppliers of materials used in the manufacture of wet storage batteries, and manufacturers of equipment used for direct servicing of storage batteries are admitted to associate membership in the Supplier Division.

Large merchandising outlets handling sales of private brand batteries are admitted to associate membership in the Merchandising Division.

The Association engages in promotion of activities of interest to industry. Particularly active in standardization of batteries, battery testing, guarantee and adjustment policies, and educational programs which improve the care and servicing of batteries.

## Automotive and Aviation Parts Manufacturers, Inc.

**General Offices:** 800 Michigan Building, Detroit 26, Michigan.

**President:** Malcolm P. Ferguson, Bendix Aviation Corporation.

**General Manager:** Frank Rising, 800 Michigan Building, Detroit 26, Michigan.

**Washington Representative:** C. O. Skinner, 1026 17th St., N.W., Washington 6, D. C.

A national, non-profit trade association serving some 400 member plants engaged in the manufacture of automotive and aviation parts. Procures, compiles, digests and disseminates, through bulletin service and direct contacts, a wide variety of information on such problems as governmental regulations on production, materials, manpower; labor relations; statistical data on payrolls, wage rates, employment, sales; and other matters affecting the welfare of the industry.

## Automotive Electric Association

**General Offices:** 800 Michigan Building, Detroit 26, Michigan.

**President:** T. A. Kreuser, Bendix Products Div., Bendix Aviation Corp., South Bend, Indiana.

**Executive Secretary:** S. W. Potter, 800 Michigan Building, Detroit 26, Michigan.

An international association composed of manufacturers of specialized automotive original equipment and whose membership also includes distributors and service stations in the field. The compilation of technical data and information pertaining to original equipment parts and units are some of the functions of the association.

## Associations of the Automobile Industry — Continued

### Automotive Safety Foundation

**Headquarters:** Hill Building, Washington 6, D.C.  
**Chairman of the Board:** Alexander Fraser,  
President, Shell Union Oil Corp.

#### Vice-Chairmen:

C. C. Carlton, Vice President-Secretary, Motor Wheel Corp.

B. E. Hutchinson, Chairman, Finance Committee, Chrysler Corp.

Carl D. Franks, Vice President, Portland Cement Association.

L. R. Jackson, President, Firestone Tire & Rubber Company.

L. S. Wescoat, President, The Pure Oil Company.

H. L. Wynegar, Vice Chairman, Commercial Credit Company.

**President:** Pyke Johnson.

**Vice-Presidents:** Norman Damon

G. Donald Kennedy

**Treasurer:** A. O. Dietz, President, Commercial Investment Trust, Incorporated.

**Secretary:** D. C. Fenner, Vice President, Mack-International Motor Truck Corporation.

**Assistant Treasurer:** Alfred Reeves, Advisory Vice President, Automobile Manufacturers Association.

**Objectives:** Safe and efficient use of streets and highways; sound and orderly development of highway facilities adequate to meet transportation needs, with special attention to problems of traffic accidents, congestion, delay and parking.

Work of the Foundation is carried on through assistance to agencies and organizations in these fields, either in grants of funds or in professional staff services.

### Automotive Trade Association Managers

**General Offices:** Suite 1308, 35 East Wacker Drive, Chicago 1, Illinois.

**President:** R. Earl Burrows, Cleveland 15, Ohio.

**Vice-President:** Paul T. Graves, Detroit, Michigan.

**Secretary-Treasurer:** Edward L. Cleary, 35 E. Wacker Drive, Chicago, Illinois.

A National Association composed of managers of state and local automobile dealer associations.

Fosters, promotes, and encourages the interchange of ideas and experiences of its members.

### Motor and Equipment Manufacturers Association

**Executive Headquarters:** 250 West 57th St., New York 19, New York.

**President:** Bert G. Cochran, Vice President and General Sales Manager, Casco Products Corporation, Bridgeport 2, Conn.

**General Manager:** Albert H. Eichholz, 250 West 57th Street, New York 19, New York.

National organization, functioning since 1904 representing interests of manufacturers of original equipment, replacement parts, accessories, shop equipment, service tools, and chemicals for the automobile, automotive, aircraft and marine fields. Maintains credit, export, sales development, trade and national shows, legislation and group activities departments.

### Motor and Equipment Wholesalers Association

**Executive Headquarters:** Jackson-Franklin Building, 309 W. Jackson Blvd., Chicago 6, Illinois.

**President:** John M. McClure, President of Minneapolis Iron Store, Minneapolis, Minn.

**General Manager:** B. W. Ruark, 309 W. Jackson Blvd., Chicago, Illinois.

National organization of, by, and for interests of automotive wholesalers, distributing merchandise generally as follows: Parts, equipment, accessories, and supplies in the automotive, aircraft and marine line.

Maintains an information bureau for members and disseminates information pertinent to operations of the automotive wholesaling industry.

Conducts Collection Service, Adjustment Bureau, Merchandise Exchange Department, and Interchange of Members' Experiences Department.

Engaged in sales planning which consists of dissemination of general information, market analysis surveys, studies in management, etc. Also provides to members the MEWA Advertising-Sales promotion service program which emphasizes the indispensable services of the Automotive Wholesaler to Automotive Manufacturers, to all types of automotive service outlets, to the car-owning public, and to the American Economy.

Publishes a bi-monthly magazine, "The Selling Job," devoted to automotive wholesaler salesmen's problems.

Represents members in trade, governmental and general contact work.

### National Association of Motor Bus Operators

**Headquarters:** 839 17th St., N.W., Washington 6, D. C.

**President:** A. M. Hill, Chairman of the Board, Atlantic Greyhound Corp., 839 17th St., N.W., Washington 6, D. C.

**Vice-President:** Guy A. Huguélet, President, Southeastern Greyhound Lines, 801 N. Limestone St., Lexington 14, Kentucky.

**Secretary-Manager:** A. W. Koehler, 839 17th St., N.W., Washington 6, D. C.

Included in the scope of activities conducted by the Association in the interest of its members are: close attention to national, state, and municipal legislation and important litigation in which precedents affecting bus operation are likely to be established; the collection, analysis and circulation of basic facts on the industry's labor problems and working conditions; the compilation and distribution of statistical data for the industry; advocacy of modernized and uniform size and weight limitations and equitable taxation; study of the relation of motor bus transportation to other transportation agencies; establishment and maintenance of cooperative relationships with important groups of federal, state, and municipal officials, and business organizations, including other automotive and transportation associations; and distribution, to the public, of facts demonstrating the economy and convenience of bus travel.

### National Association of Taxicab Owners

(Affiliated with Cab Research Bureau, Inc.)

**Headquarters:** 803 Leader Building, Cleveland 14, Ohio.

**Honorary President:** W. W. Cloud.

**President:** W. Lansing Rothschild.

#### Vice Presidents:

Frank Sawyer

John P. Wagner

A. L. Belle Isle

Robert O. Alert

C. S. Masters

Joseph L. Green

Kenneth Wallace

**Treasurer:** Russell Reel.

**Honorary Secretary:** J. G. Williams.

**Secretary:** H. I. Gwilym.

**Purpose:** To afford members a medium of cooperation, and to collect and disseminate information that promotes the economical conduct of the taxicab business.



## Associations of the Automobile Industry — Continued

### National Automobile Dealers Association

General Offices: 1026 17th St., N.W., Washington 6, D. C.

President: George F. Ziesmer, Mankato, Minn.  
First Vice President: Fred L. Haller, Washington, D. C.

Treasurer: James A. Mason, Ferndale, Michigan.  
Secretary: Ralph Nichols, Nashville, Tennessee.  
Managing Director: M. Robert Deo, Washington, D. C.

Assistant Secretary-Treasurer: Jay Green, Washington, D. C.

Assistant Managing Director: D. C. Barnhart, Washington, D. C.

Object is promotion of automobile dealer business; constructive publicity on dealer aims, maintenance of high merchandising standards; research on selling opportunities of the business; study of markets and dissemination of facts concerning the same; guarding dealers' interests in all matters of governmental regulation, control of consumer credit, wages and hours, etc.; opposition to harmful legislation, support of good legislation, promotion of good roads and furthering highway safety.

### National Council of Private Motor Truck Owners, Inc.

Headquarters: National Press Building, Washington 4, D. C.

President: George Faunce, Jr., Continental Baking Co., New York, N. Y.

Vice-President: Eastern Vice-President: A. B. Gorman, Esso Standard Oil Co., New York, N. Y.

Central Vice-President: G. H. Sibley, Jewel Tea Co., Barrington, Illinois.

Western Vice-President: P. H. Ducker, Automotive Council, Los Angeles, Calif.

Southeastern Vice-President: John I. Riley, American Bottlers of Carbonated Beverages, Washington, D. C.

Treasurer: Robert C. Hibben, International Association of Ice Cream Manufacturers, Washington, D. C.

Managing Director: Leon F. Banigan, National Press Building, Washington, D. C.

A national organization incorporated as a non-profit association under the laws of the State of New York, devoted to the preservation of the rights and abilities of private enterprise to operate commercial motor vehicles in agriculture and industry — to promote safe and economic use of such vehicles in the public service. Its membership comprises firms owning one or more trucks and national and state associations that represent them.

### National Highway Users Conference

Headquarters: National Press Building, Washington 4, D. C.

Chairman: Albert Bradley, Executive Vice-President, General Motors Corporation, New York, New York.

Vice-Chairman: Albert Goss.

Secretary-Treasurer: L. J. Taber, Master, The National Grange.

Director: Arthur C. Butler, National Press Building, Washington 4, D. C.

Promotes sound public policies on highway use, development, safety, taxation, finance and administration.

Nationally, and through 47 affiliated State Highway Users Conferences, coordinates activities of 1,000 organizations working for sound development of highway transportation through research, education, and reasonable laws and regulations.

Serves as a clearing house for information on proposed national, state and municipal legislation

affecting motor vehicle taxation and regulation and highway construction. Sponsor of biennial Highway Transportation Congress.

### National Standard Parts Association

General Offices: Thirty-fifth Floor, Eight S. Michigan Avenue, Chicago 3, Illinois.

Washington Office: 2025 Eye Street, N.W., Washington 6, D. C.

President: Chas. R. Crowder, Van Norman Co., Springfield, Mass.

Executive Vice-President: J. L. Wiggins, 35th Floor, Willoughby Tower, Chicago 3, Illinois.

Membership comprises corporations, firms, or persons engaged in manufacturing and/or jobbing standard brands of automotive service parts, materials, shop tools and equipment.

The objects of the Association are to promote an enlarged acquaintance and a more friendly intercourse among its members and in all reasonable, lawful and proper ways to promote the best interests of the automotive service parts trade.

### National Wheel and Rim Association

General Offices: 208 W. St. Clair Ave., Cleveland 13, Ohio.

Executive Secretary: Mr. Joseph P. Glover.

President: R. H. Hunnaker, 200 S. Cameron St., Harrisburg, Pa.

Active membership consists of firms engaged in the wholesale distribution of wheels and Allied products; associate membership, the manufacturers of wheels for original equipment who sell replacement materials through distributors.

Objects: To promote the general welfare of the industry; exchange information among members; publish catalogs and sales promotion material; and encourage close friendly relations among the members by means of meetings at regular intervals and bulletin service between meetings.

### The Rubber Manufacturers Association Incorporated

General Offices: 444 Madison Ave., New York 22, New York.

President: A. L. Viles.

Secretary: R. H. Goebel.

A national trade organization embracing rubber manufacturers of the United States.

Its membership consists of 135 firms, and its object is to promote in all lawful ways the commercial interests of its members, and secure the advantages to be obtained through mutual cooperation, also to stimulate social intercourse among those connected with the rubber industry and commerce and in general for the promotion of the welfare of the rubber industry.

### Society of Automotive Engineers, Inc.

General Offices: 29 West 39th St., New York 18, New York.

President: S. W. Sparrow, Studebaker Corporation, South Bend 27, Indiana.

Secretary and General Manager: John A. C. Warner.

Object of the Society is to promote the arts, sciences, standards, and engineering practices connected with the design, construction and utilization of automotive apparatus, all forms of self-propelled or mechanically propelled mediums for the transportation of passengers or freight by land and air, and internal combustion primemovers. Publications are: Quarterly Transactions; SAE Membership Roster (annual); The SAE Journal (monthly); and SAE Handbook, Standards and Recommended Practices (Published annually). Aeronautical Material Specifications, Aeronautical Standards, Recommended Practices, and Information Reports (looseleaf).



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